

Actual exam question from Microsoft's AZ-400

Question #: 1

Topic #: 1

[\[All AZ-400 Questions\]](#)

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You are configuring project metrics for dashboards in Azure DevOps.

You need to configure a chart widget that measures the elapsed time to complete work items once they become active.

Which of the following is the widget you should use?

- A. Cumulative Flow Diagram
- B. Burnup
- C. Cycle time
- D. Burndown

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 2

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You need to consider the underlined segment to establish whether it is accurate.

The Burnup widget measures the elapsed time from creation of work items to their completion.

Select `No adjustment required` if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. Lead time
- C. Test results trend
- D. Burndown

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 3

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You are making use of Azure DevOps manage build pipelines, and also deploy pipelines.

The development team is quite large, and is regularly added to.

You have been informed that the management of users and licenses must be automated when it can be.

Which of the following is a task that can't be automated?

- A. Group membership changes
- B. License assignment
- C. Assigning entitlements
- D. License procurement

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 4

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You have been tasked with strengthening the security of your team's development process.

You need to suggest a security tool type for the Continuous Integration (CI) phase of the development process.

Which of the following is the option you would suggest?

- A. Penetration testing
- B. Static code analysis
- C. Threat modeling
- D. Dynamic code analysis

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 5

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company is currently making use of Team Foundation Server 2013 (TFS 2013), but intend to migrate to Azure DevOps.

You have been tasked with supplying a migration approach that allows for the preservation of Team Foundation Version Control changesets dates, as well as the changes dates of work items revisions. The approach should also allow for the migration of all TFS artifacts, while keeping migration effort to a minimum.

You have suggested upgrading TFS to the most recent RTW release.

Which of the following should also be suggested?

- A. Installing the TFS kava SDK
- B. Using the TFS Database Import Service to perform the upgrade.
- C. Upgrading PowerShell Core to the latest version.
- D. Using the TFS Integration Platform to perform the upgrade.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 6

Topic #: 1

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have an on-premises Bitbucket Server with a firewall configured to block inbound Internet traffic. The server is used for Git-based source control.

You intend to manage the build and release processes using Azure DevOps. This plan requires you to integrate Azure DevOps and Bitbucket.

Which of the following will allow for this integration? Answer by dragging the correct options from the list to the answer area.

Select and Place:

## Options

## Answer

A self-hosted agent

A Microsoft-hosted agent

An External Git service connection

Service hooks

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 7

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You are currently developing a project for a client that will be managing work items via Azure DevOps.

You want to make sure that the work item process you use for the client allows for requirements, change requests, risks, and reviews to be tracked.

Which of the following is the option you would choose?

- A. Basic
- B. Agile
- C. Scrum
- D. CMMI

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 8

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You run the Register-AzureRmAutomationDscNode command in your company's environment.

You need to make sure that your company's test servers remain correctly configured, regardless of configuration drift.

Solution: You set the -ConfigurationMode parameter to ApplyOnly.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 9

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You run the Register-AzureRmAutomationDscNode command in your company's environment.

You need to make sure that your company's test servers remain correctly configured, regardless of configuration drift.

Solution: You set the -ConfigurationMode parameter to ApplyAndMonitor.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 10

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Note: The question is included in a number of questions that depicts the identical set-up. However, every question has a distinctive result. Establish if the solution satisfies the requirements.

You run the Register-AzureRmAutomationDscNode command in your company's environment.

You need to make sure that your company's test servers remain correctly configured, regardless of configuration drift.

Solution: You set the -ConfigurationMode parameter to ApplyAndAutocorrect.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 11

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You need to consider the underlined segment to establish whether it is accurate.

To compile an Internet Information Services (IIS) web application that runs docker, you should use a Default build agent pool.

Select `No adjustment required` if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. Hosted Windows Container
- C. Hosted
- D. Hosted macOS

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 12

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company has an Azure DevOps environment that can only be accessed by Azure Active Directory users.

You are instructed to make sure that the Azure DevOps environment can only be accessed from devices connected to the company's on-premises network.

Which of the following actions should you take?

- A. Assign the devices to a security group.
- B. Create a GPO.
- C. Configure Security in Project Settings from Azure DevOps.
- D. Configure conditional access in Azure Active Directory.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 13

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You are making use of Azure DevOps to configure Azure Pipelines for project, named PROJ-01.

You are preparing to use a version control system that allows for source code to be stored on a managed Windows server located on the company network.

Which of the following is the version control system you should use?

- A. Github Enterprise
- B. Bitbucket cloud
- C. Github Professional
- D. Git in Azure Repos

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 14

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You need to consider the underlined segment to establish whether it is accurate.

When moving to Azure DevOps, JIRA must be replaced with the build pipelines Azure DevOps service.

Select `No adjustment required` if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. repos
- C. release pipelines
- D. boards

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 15

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You scan a Node.js application using WhiteSource Bolt.

The scan finds numerous libraries with invalid licenses, but are only used during development.

You have to make sure that only production dependencies are scanned by WhiteSource Bolt.

Which of the following is a command you should run?

- A. npm edit
- B. npm publish
- C. npm install
- D. npm update

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 16

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You are currently defining a release strategy for an app, named APP-01.

The strategy should allow you to keep the time it takes to deploy new releases of the app to a minimum. The strategy should also allow you to roll back in the shortest time required.

Which of the following is the release strategy you should use?

- A. Red/Black deployment
- B. Rolling deployment
- C. Big Bang deployment
- D. Canary deployment

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 17

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company hosts a web application in Azure, and makes use of Azure Pipelines for managing the build and release of the application.

When stakeholders report that system performance has been adversely affected by the most recent releases, you configure alerts in Azure Monitor.

You are informed that new releases must satisfy specified performance baseline conditions in the staging environment before they can be deployed to production.

You need to make sure that releases not satisfying the performance baseline are prevented from being deployed.

Which of the following actions should you take?

- A. You should make use of a branch control check.
- B. You should make use of an alert trigger.
- C. You should make use of a gate.
- D. You should make use of an approval check.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 18

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You need to consider the underlined segment to establish whether it is accurate.

To deploy an application to a number of Azure virtual machines, you should create a universal group.

Select `No adjustment required` if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. security
- C. deployment
- D. resource

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 19

Topic #: 1

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are preparing to deploy an Azure resource group via Terraform.

To achieve your goal, you have to install the necessary frameworks.

Which of the following are the frameworks you should use? Answer by dragging the correct options from the list to the answer area.

Select and Place:

## Options

## Answer

Yeoman

Vault

Terratest

Tiller

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 20

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You intend to make use of Azure Artifacts to share packages that you wrote, tested, validated, and deployed.

You want to use a solitary feed to release several builds of each package. You have to make sure that the release of packages that are in development is restricted.

Which of the following actions should you take?

- A. You should make use of static code analysis.
- B. You should make use of views.
- C. You should make use of dynamic code analysis.
- D. You should make use of upstream sources.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 21

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You need to consider the underlined segment to establish whether it is accurate.

To find when common open source libraries are added to the code base, you should add Jenkins to the build pipeline.

Select `No adjustment required` if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. SourceGear Vault
- C. WhiteSource
- D. OWASP ZAP

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 22

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company has an Azure DevOps project, which includes a build pipeline that makes use of roughly fifty open source libraries. You have been tasked with making sure that you are able to scan project for common security weaknesses in the open source libraries. Which of the following actions should you take?

- A. You should create a build task and use the WhiteSource Bolt service.
- B. You should create a deployment task and use the WhiteSource Bolt service.
- C. You should create a build task and use the Chef service.
- D. You should create a deployment task and use the Chef service.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 23

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You need to consider the underlined segment to establish whether it is accurate.

Black Duck can be used to make sure that all the open source libraries conform to your company's licensing criteria.

Select `No adjustment required` if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. Maven
- C. Bamboo
- D. CMAKE

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 24

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You have created an Azure DevOps project for a new application that will be deployed to a number of Windows Server 2016 Azure virtual machines.

You are preparing a deployment solution that allows for the virtual machines to maintain a uniform configuration, and also keep administrative effort with regards to configuring the virtual machines to a minimum.

Which of the following should be part of your solution? (Choose two.)

- A. Azure Resource Manager templates
- B. The PowerShell Desired State Configuration (DSC) extension for Windows
- C. Azure pipeline deployment groups
- D. The Custom Script Extension for Windows
- E. Azure pipeline stage templates

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 25

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company has an application that contains a number of Azure App Service web apps and Azure functions.

You would like to view recommendations with regards to the security of the web apps and functions. You plan to navigate to Compute and Apps to achieve your goal.

Which of the following should you access to make use of Compute and Apps?

- A. Azure Log Analytics
- B. Azure Event Hubs
- C. Azure Advisor
- D. Azure Security Center

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 26

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You need to consider the underlined segment to establish whether it is accurate.

Your company has a multi-tier application that has its front end hosted in Azure App Service.

To pinpoint the average load times of the application pages, you should make use of Azure Event Hubs.

Select `No adjustment required` if the underlined segment is accurate. If the underlined segment is inaccurate, select the accurate option.

- A. No adjustment required.
- B. Azure Application Insights
- C. Azure Log Analytics
- D. Azure Advisor

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 27

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company makes use of Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring purposes.

You have been tasked with analyzing the monitoring using ad-hoc queries. You need to utilize the correct query language.

Solution: You use the Contextual Query Language (CQL).

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 28

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company makes use of Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring purposes.

You have been tasked with analyzing the monitoring using ad-hoc queries. You need to utilize the correct query language.

Solution: You use the Transact-SQL.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 29

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

Your company makes use of Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring purposes.

You have been tasked with analyzing the monitoring using ad-hoc queries. You need to utilize the correct query language.

Solution: You use Azure Log Analytics.

Does the solution meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 30

Topic #: 1

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have recently created a web application for your company.

You have been tasked with making sure that a summary of the exceptions that transpire in the application is automatically sent to Microsoft Teams on a daily basis.

Which of the following Azure services should you use? Answer by dragging the correct options from the list to the answer area.

Select and Place:

## Options

## Answer

Azure DevOps  
Project

Azure Logic Apps

Azure Pipelines

Azure Application  
Insights

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 31

Topic #: 1

[\[All AZ-400 Questions\]](#)

---

You are in the process of building a mobile app aimed at Android and iOS devices.

All work items and release cycles are managed via Azure DevOps.

You want to make sure that crash reports for issue analysis is collected, and that beta releases are distributed to your testers. Also, you want to ensure that user feedback on the functionality of new apps is received.

Which of the following must be part of your solution?

- A. The Microsoft Test & Feedback extension.
- B. OWASP ZAP
- C. TFS Integration Platform
- D. Code Style

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 1

Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You need to recommend project metrics for dashboards in Azure DevOps.

Which chart widgets should you recommend for each metric? To answer, drag the appropriate chart widgets to the correct metrics. Each chart widget may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

**Chart Widgets**

**Answer Area**

Burndown

The elapsed time from the creation of work items to their completion:

Cycle Time

Lead Time

The elapsed time to complete work items once they are active:

Velocity

The remaining work:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 2

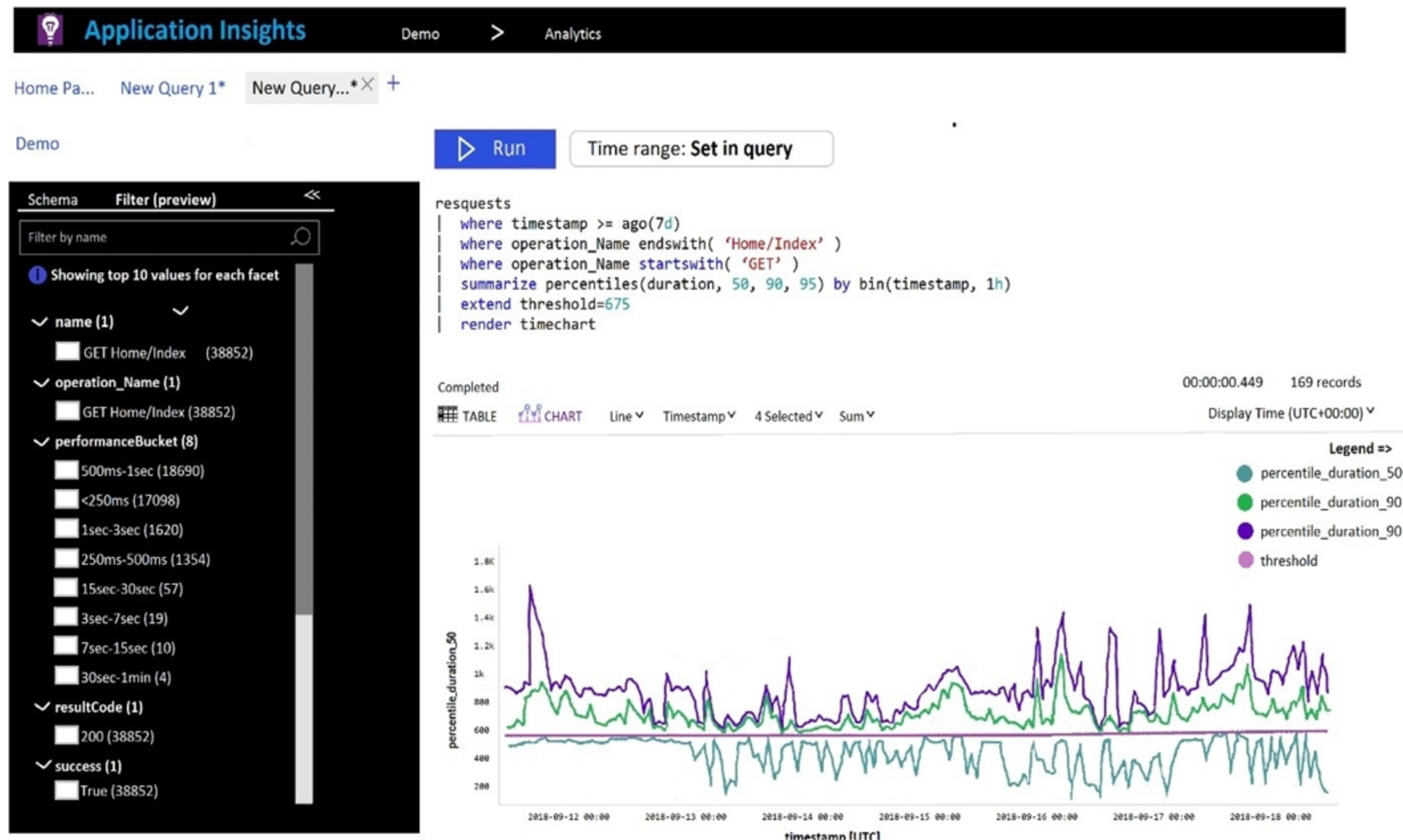
Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You plan to create alerts that will be triggered based on the page load performance of a home page.

You have the Application Insights log query shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

To create an alert based on the page load experience of most users, the alerting level must be based on **[answer choice]**.

	▼
percentile_duration_50	
percentile_duration_90	
percentile_duration_95	
threshold	

To only create an alert when authentication error occurs on the server, the query must be filtered on **[answer choice]**.

	▼
item Type	
resultCode	
source	
success	

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 3

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You manage an Azure web app that supports an e-commerce website.

You need to increase the logging level when the web app exceeds normal usage patterns. The solution must minimize administrative overhead.

Which two resources should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. an Azure Automation runbook
- B. an Azure Monitor alert that has a dynamic threshold
- C. an Azure Monitor alert that has a static threshold
- D. the Azure Monitor autoscale settings
- E. an Azure Monitor alert that uses an action group that has an email action

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 4

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have an Azure Kubernetes Service (AKS) pod.

You need to configure a probe to perform the following actions:

- ⇒ Confirm that the pod is responding to service requests.
- ⇒ Check the status of the pod four times a minute.
- ⇒ Initiate a shutdown if the pod is unresponsive.

How should you complete the YAML configuration file? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

```
apiVersion: v1
kind: Pod
metadata:
  labels:
    test: readiness-and-liveness
  name: readiness-http
spec:
  containers:
  - name: container1
    image: k8s.gcr.io/readiness-and-liveness
    args:
    - /server
```

	▼
livenessProbe:	
readinessProbe:	
ShutdownProbe:	
startupProbe:	

```
  httpGet:
    path: /checknow
    port: 8123
    httpHeaders:
    - name: Custom-Header
      value: CheckNow
```

	▼
initialDelaySeconds: 15	
periodSeconds: 15	
timeoutSeconds: 15	

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 5

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have a Microsoft ASP.NET Core web app in Azure that is accessed worldwide.

You need to run a URL ping test once every five minutes and create an alert when the web app is unavailable from specific Azure regions. The solution must minimize development time.

What should you do?

- A. Create an Azure Monitor Availability metric and alert.
- B. Create an Azure Application Insights availability test and alert.
- C. Write an Azure function and deploy the function to the specific regions.
- D. Create an Azure Service Health alert for the specific regions.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 6

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have a multi-tier application. The front end of the application is hosted in Azure App Service.

You need to identify the average load times of the application pages.

What should you use?

- A. Azure Application Insights
- B. the activity log of the App Service
- C. the diagnostics logs of the App Service
- D. Azure Advisor

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 7

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You need to create an instance of Azure Application Insights named az400-123456789-main and configure the instance to receive telemetry data from an Azure web app named az400-123456789-main.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 8

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

Your company uses ServiceNow for incident management.

You develop an application that runs on Azure.

The company needs to generate a ticket in ServiceNow when the application fails to authenticate.

Which Azure Log Analytics solution should you use?

- A. Application Insights Connector
- B. Automation & Control
- C. IT Service Management Connector (ITSM)
- D. Insight & Analytics

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 9

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT -

Your company is building a new web application.

You plan to collect feedback from pilot users on the features being delivered.

All the pilot users have a corporate computer that has Google Chrome and the Microsoft Test & Feedback extension installed. The pilot users will test the application by using Chrome.

You need to identify which access levels are required to ensure that developers can request and gather feedback from the pilot users. The solution must use the principle of least privilege.

Which access levels in Azure DevOps should you identify? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Developers:

Basic
Stakeholder

Pilot users:

Basic
Stakeholder

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 10

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You use Azure SQL Database Intelligent Insights and Azure Application Insights for monitoring.

You need to write ad-hoc queries against the monitoring data.

Which query language should you use?

- A. Kusto Query Language (KQL)
- B. PL/pgSQL
- C. PL/SQL
- D. Transact-SQL

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 11

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

Your company creates a web application.

You need to recommend a solution that automatically sends to Microsoft Teams a daily summary of the exceptions that occur in the application.

Which two Azure services should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Azure Logic Apps
- B. Azure Pipelines
- C. Microsoft Visual Studio App Center
- D. Azure DevOps Project
- E. Azure Application Insights

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 12

Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP -

Your company wants to use Azure Application Insights to understand how user behaviors affect an application.

Which Application Insights tool should you use to analyze each behavior? To answer, drag the appropriate tools to the correct behaviors. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Tools

Impact

User Flows

Users

### Answer Area

Feature usage:

Number of people who used the actions and its features:

The effect that the performance of the application has on the usage of a page or a feature:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 13

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

Your company is building a mobile app that targets Android and iOS devices.

Your team uses Azure DevOps to manage all work items and release cycles.

You need to recommend a solution to perform the following tasks:

- ⇒ Collect crash reports for issue analysis.
- ⇒ Distribute beta releases to your testers.
- ⇒ Get user feedback on the functionality of new apps.

What should you include in the recommendation?

- A. the Microsoft Test & Feedback extension
- B. Microsoft Visual Studio App Center integration
- C. Azure Application Insights widgets
- D. Jenkins integration

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 14

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps project named Project1 and an Azure subscription named Sub1. Sub1 contains an Azure virtual machine scale set named VMSS1. VMSS1 hosts a web application named WebApp1. WebApp1 uses stateful sessions.

The WebApp1 installation is managed by using the Custom Script extension. The script resides in an Azure Storage account named sa1.

You plan to make a minor change to a UI element of WebApp1 and to gather user feedback about the change.

You need to implement limited user testing for the new version of WebApp1 on VMSS1.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Modify the load balancer settings of VMSS1.
- B. Redeploy VMSS1.
- C. Upload a custom script file to sa1.
- D. Modify the Custom Script extension settings of VMSS1.
- E. Update the configuration of a virtual machine in VMSS1.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 15

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You need to create a notification if the peak average response time of an Azure web app named az400-123456789-main is more than five seconds when evaluated during a five-minute period. The notification must trigger the `https://contoso.com/notify` webhook.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 16

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You need to create and configure an Azure Storage account named az400lod123456789stor in a resource group named RG1lod123456789 to store the boot diagnostics for a virtual machine named VM1.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 17

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You have a web app that connects to an Azure SQL Database named db1.

You need to configure db1 to send Query Store runtime statistics to Azure Log Analytics.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 18

Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have several Azure virtual machines that run Windows Server 2019.

You need to identify the distinct event IDs of each virtual machine as shown in the following table.

Name	Event ID
VM1	[704, 701, 1501, 1500, 1085]
VM2	[326, 105, 302, 301, 300, 102]
...	...

How should you complete the Azure Monitor query? To answer, drag the appropriate values to the correct locations. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

**Values**

**Answer Area**

count ()

Event

makelist (EventID)

| where TimeGenerated > ago (12h)

makeset (EventID)

| order by TimeGenerated desc

mv-expand

|   by Computer

project

render

summarize

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 19

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have an Azure web app named Webapp1.

You need to use an Azure Monitor query to create a report that details the top 10 pages of Webapp1 that failed.

How should you complete the query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

	▼
exceptions	
pageViews	
requests	
traces	

where		▼
	duration == 0	
	itemType == "availabilityResult"	
	resultCode == "200"	
	success == false	

```
| summarize failedCount=sum(itemCount) by name, resultCode
| top 10 by failedCount desc
| render barchart
```

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 20

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You are monitoring the health and performance of an Azure web app by using Azure Application Insights. You need to ensure that an alert is sent when the web app has a sudden rise in performance issues and failures. What should you use?

- A. custom events
- B. Application Insights Profiler
- C. usage analysis
- D. Smart Detection
- E. Continuous export

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 21

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have a project in Azure DevOps named Contoso App that contains pipelines in Azure Pipelines for GitHub repositories.

You need to ensure that developers receive Microsoft Teams notifications when there are failures in a pipeline of Contoso App.

What should you run in Teams? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

@azure pipelines

<input type="text"/>
feedback
signin
subscribe
subscriptions

<input type="text"/>
https://dev.azure.com/contoso/contoso-app/
https://dev.azure.com/contoso/contoso-app/_build
https://dev.azure.com/contoso/contoso-app/_packaging
https://dev.azure.com/contoso/contoso-app/_work-items

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 22

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have a private GitHub repository.

You need to display the commit status of the repository on Azure Boards.

What should you do first?

- A. Configure multi-factor authentication (MFA) for your GitHub account.
- B. Add the Azure Pipelines app to the GitHub repository.
- C. Add the Azure Boards app to the repository.
- D. Create a GitHub action in GitHub.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 23

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You are integrating Azure Pipelines and Microsoft Teams.

You install the Azure Pipelines app in Microsoft Teams.

You have an Azure DevOps organization named Contoso that contains a project name Project1.

You subscribe to Project1 in Microsoft Teams.

You need to ensure that you only receive events about failed builds in Microsoft Teams.

What should you do first?

- A. From Microsoft Teams, run @azure pipelines subscribe https://dev.azure.com/Contoso/Project1.
- B. From Azure Pipelines, add a Publish Build Artifacts task to Project1.
- C. From Microsoft Teams, run @azure pipelines subscriptions.
- D. From Azure Pipelines, enable continuous integration for Project1.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 24

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization named Contoso.

You need to receive Microsoft Teams notifications when work items are updated.

What should you do?

- A. From Azure DevOps, configure a service hook subscription
- B. From Microsoft Teams, configure a connector
- C. From the Microsoft Teams admin center, configure external access
- D. From Microsoft Teams, add a channel
- E. From Azure DevOps, install an extension

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 25

Topic #: 2

[\[All AZ-400 Questions\]](#)

You create an alert rule in Azure Monitor as shown in the following exhibit.

**Create rule**  
Rules management

**RESOURCE**

ASP-9bb7

Select

**HIERARCHY**

Contoso > CoreApp1

**CONDITION**

Whenever the Activity Log has an event with Category='Administrative', Signal name='All Administrative operations', Status='failed'

Add

Azure Alerts are currently limited to either 2 metric, 1 log, or 1 activity log signal per alert rule. To alert on more signals, please create additional alert rules.

**ACTIONS GROUPS (optional)**

Action group name

Application Insights Smart Detection

Contain actions

2 Email Azure Resource Manager Role(s)

Add Create

Action rules (preview) allows you to define actions at scale as well as suppress actions. Learn more about this functionality by clicking on this banner.

Which action will trigger an alert?

- A. a failed attempt to delete the ASP-9bb7 resource
- B. a change to a role assignment for the ASP-9bb7 resource
- C. a successful attempt to delete the ASP-9bb7 resource
- D. a failed attempt to scale up the ASP-9bb7 resource

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 26

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have a web app hosted on Azure App Service. The web app stores data in an Azure SQL database.

You need to generate an alert when there are 10,000 simultaneous connections to the database. The solution must minimize development effort.

Which option should you select in the Diagnostics settings of the database?

- A. Send to Log Analytics
- B. Stream to an event hub
- C. Archive to a storage account

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 27

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You use Azure DevOps to manage the build and deployment of an app named App1.

You have a release pipeline that deploys a virtual machine named VM1.

You plan to monitor the release pipeline by using Azure Monitor.

You need to create an alert to monitor the performance of VM1. The alert must be triggered when the average CPU usage exceeds 70 percent for five minutes.

The alert must calculate the average once every minute.

How should you configure the alert rule? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Aggregation granularity (Period):

	▼
1 minute	
5 minutes	

Threshold value:

	▼
Static	
Dynamic	

Operator:

	▼
Greater than	
Greater than or equal to	
Less than or equal to	
Less than	

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 28

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have an Azure virtual machine that is monitored by using Azure Monitor.

The virtual machine has the Azure Log Analytics agent installed.

You plan to deploy the Service Map solution from the Azure Marketplace.

What should you deploy to the virtual machine to support the Service Map solution?

- A. the Dependency agent
- B. the Telegraf agent
- C. the Windows Azure diagnostics extension (WAD)
- D. the Azure monitor agent

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 29

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have a project in Azure DevOps that contains a Continuous Integration/Continuous Deployment (CI/CD) pipeline.

You need to enable detailed logging by defining a pipeline variable.

How should you configure the variable? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Name:

Debug
Log
System.Debug
System.Log

Value:

1
detailed
true

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 30

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You build an iOS app.

You receive crash reports from Crashlytics.

You need to capture the following data:

- ⇒ Crash-free users
- ⇒ Custom events
- ⇒ Breadcrumbs

What should you do?

- A. Configure the xcworkspace file in the project
- B. Add the GoogleAnalytics pod to the app.
- C. Configure the Crashlytics pod in the app.
- D. Import the Firebase module to UIApplicationDelegate.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 31

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have multiple teams that work on multiple projects in Azure DevOps.

You need to plan and manage the consumers and producers for each project. The solution must provide an overview of all the projects.

What should you do?

- A. Add a Predecessor or Successor link to the feature or user story for the items of each project.
- B. Add a Parent or Child link to the feature or user story for the items of each project.
- C. Install the Dependency Tracker extension and create dependencies for each project.
- D. Create a custom query to show the consumers and producers and add a widget to a dashboard.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 32

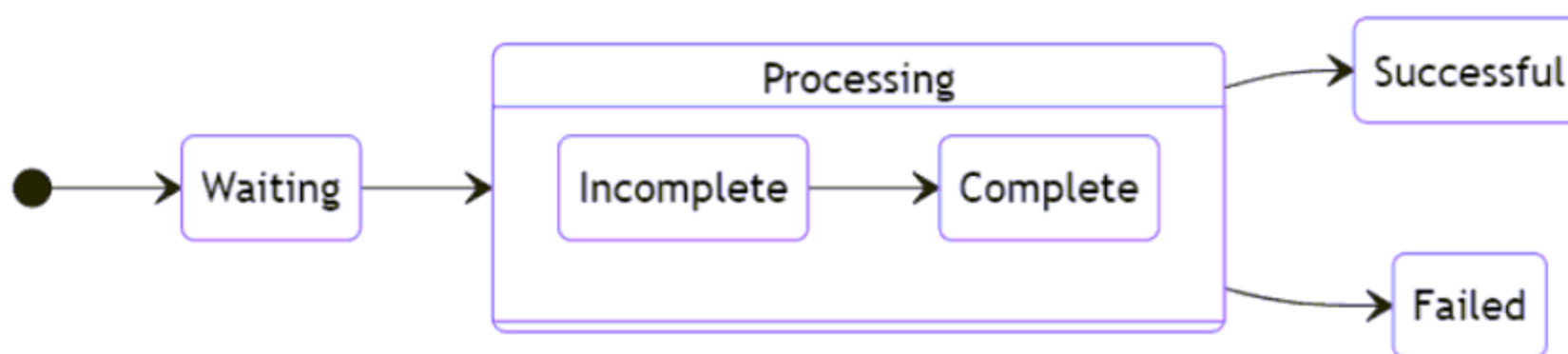
Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP

You have a GitHub repository that contains the source code for an app named App1.

You need to create process documentation for App1. The solution must include a diagram that displays the relationships between the phases of App1 as shown in the following exhibit.



How should you complete the markdown code? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

#### Values








#### Answer Area

```
```mermaid
```

```
direction LR
```

```
[*] --> Waiting
```

```
Waiting --> Processing
```

```
Processing --> Successful
```

```
state  {
```

```
direction LR
```

```
Incomplete --> Complete
```

```
}
```

```
Processing --> Failed
```

```
```
```

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 33

Topic #: 2

[\[All AZ-400 Questions\]](#)

## HOTSPOT

-

You have an Azure web app named webapp1 that uses the .NET Core runtime stack. You have an Azure Application Insights resource named AppInsights1 that collects telemetry data generated by webapp1.

You plan to deploy webapp1 by using an Azure DevOps pipeline.

You need to modify the sampling rate of the telemetry data processed by AppInsights1 without having to redeploy webapp1 after each modification.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From the code repository of webapp1:

- Disable adaptive sampling.
- Enable fixed-rate sampling.
- Modify ApplicationInsights.config.

From AppInsights1:

- Configure Continuous export.
- Configure the Smart Detection settings.
- Modify the Usage and estimated costs settings.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 34

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

Your company has multiple microservices-based apps that use the following tracing libraries:

- OpenTelemetry
- OpenCensus
- OpenTracing
- Honeycomb
- Jaeger

The company purchases an Azure subscription and implements Application Insights in Azure Monitor.

You plan to centralize distributed tracing for the apps.

You need to identify which libraries can integrate directly with Application Insights.

Which two libraries should you identify? Each correct answer presents a complete solution.

NOTE: Each correct solution is worth one point.

- A. Honeycomb
- B. OpenTracing
- C. Jaeger
- D. OpenTelemetry
- E. OpenCensus

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 35

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have an Azure web app named webapp1 that uses the .NET Core runtime stack. You have an Azure Application Insights resource named AppInsights1. Webapp1 sends telemetry data to AppInsights1.

You need to ensure that webapp1 sends the telemetry data at a fixed sampling rate.

What should you do?

- A. From the code repository of webapp1, modify the ApplicationInsights.config file.
- B. From the code repository of webapp1, modify the Startup.cs file.
- C. From AppInsights1, modify the Usage and estimated costs settings.
- D. From AppInsights1, configure the Continuous export settings.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 36

Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP

You have an app named App1. You have a Log Analytics workspace named Workspace1 that contains two tables named Events and Logs. App1 manages events in multiple locations and writes logs to Workspace1.

You need to query Workspace1 for all log entries related to Asia that occurred during the last two days.

In which order should you arrange the query statements? To answer, move all statements from the list of statements to the answer area and arrange them in the correct order.

#### Statements

| where continent == 'Asia'

| join ( Events

Logs

| where timestamp > ago(2d)

) on RequestId

#### Answer Area



Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 37

Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP

You have a web app named App1 that uses Application Insights in Azure Monitor.

You need to compare the hourly CPU usage of App1 from the last 24 hours. The solution must include a graph that has a threshold line at 75 percent.

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

#### Values

bin(TimeGenerated, 1d)

bin(TimeGenerated, 1h)

extend

project

render

#### Answer Area

...

performanceCounters

| where TimeGenerated > ago(1d)

| where counter == "% Processor Time"

| summarize avg(value) ,by cloud\_RoleInstance,

|  Threshold = 75

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 38

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You use Azure Pipelines to build and deploy an app named App1.

You plan to monitor App1 by using Application Insights.

You create an Application Insights instance named AI1.

You need to configure App1 to use AI1.

Which file should you modify?

- A. appsettings.json
- B. launchSettings.json
- C. startup.cs
- D. project.json

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 39

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT

-

You have an Azure virtual machine named web1.

You need to query the amount of free memory that was available on web1 during the past seven days. The solution must meet the following requirements:

- Display the data as a time chart.
- Calculate the average value per hour.

How should you complete the KQL query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

## Answer Area

...

Perf

| where

TimeGenerated > ago(7d)  
TimeGenerated < ago(7d)  
TimeGenerated == ago(7d)

| where Computer == "web1"

| where CounterName == "Available MBytes"

| summarize avg(CounterValue) by

| render timechart

...

bin(TimeGenerated, 1d)  
bin(TimeGenerated, 1h)  
dcount(CounterName)

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 40

Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP

You have a web app named App1 that uses Application Insights in Azure Monitor to store log data. App1 has users in multiple locations.

You need to query App1 requests from London and Paris that return a 404 error. The solution must meet the following requirements:

- Return the timestamp url, resultCode, and duration fields
- Only show requests made during the last hour.

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

### Values

### Answer Area

|   |   |
|---|---|
| <input type="text" value="extend"/>                   | ...   |
| <input type="text" value="project"/>                  | requests  |
| <input type="text" value="select"/>                   | where <input type="text"/>  |
| <input type="text" value="timestamp &gt;= ago(1hr)"/> | where resultCode == "404" and (client_City == "London" or client_City == "Paris") |
| <input type="text" value="timestamp -gt ago(1hr)"/>   | <input type="text"/> timestamp, url, resultCode, duration                         |
|   | ...   |

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 41

Topic #: 2

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have a project in Azure DevOps.

You need to configure a dashboard. The solution must include the following metrics:

- Bottlenecks in the software development process
- A burndown chart for the work in a single iteration
- How long it takes to close a work item after the item was started

Which type of widget should you use for each metric? To answer, drag the appropriate widget types to the correct metrics. Each widget type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Widgets

### Answer Area

Bottlenecks in the software  
development process:

How long it takes to close a work item  
after the item was started:

A burndown chart for the work  
in a single iteration:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 42

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains a Log Analytics workspace named WS1 and a virtual machine named VM1.

You need to install the Microsoft Enterprise Cloud Monitoring extension on VM1.

Which two values are required to configure the extension? Each correct answer presents part of the solution.

NOTE: Each correct answer is worth one point.

- A. the secret key of WS1
- B. the ID of the subscription
- C. the system-assigned managed identity of VM1
- D. the ID of WS1
- E. the resource ID of VM1

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 43

Topic #: 2

[\[All AZ-400 Questions\]](#)

---

You have an app named App1 that uses Application Insights to monitor application performance.

You need to analyze how often a page in App1 is accessed.

Which pane in Application Insights should you use?

- A. Events
- B. Sessions
- C. Impact
- D. Users

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 44

Topic #: 2

[\[All AZ-400 Questions\]](#)

HOTSPOT

You have a project in Azure DevOps that includes two users named User1 and User2.

You plan to use Azure Monitor to manage logs.

You need to ensure that the users can perform the actions shown in following the table.

| User  | Action  |
|-------|---|
| User1 | <ul style="list-style-type: none"><li>• Create private monitoring dashboards.</li><li>• Search usage data for an Azure Monitor workspace.</li></ul> |
| User2 | <ul style="list-style-type: none"><li>• View autoscale settings.</li><li>• View alert activities and settings.</li></ul>                            |

The solution must follow the principle of least privilege.

Which role should you assign to each user? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

User1:  ▼

- Log Analytics Reader
- Monitoring Contributor
- Monitoring Metrics Publisher
- Monitoring Reader

User2:  ▼

- Log Analytics Reader
- Monitoring Contributor
- Monitoring Metrics Publisher
- Monitoring Reader

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 1

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains multiple Azure services.

You need to send an SMS alert when scheduled maintenance is planned for the Azure services.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Enable Azure Security Center.
- B. Create and configure an Azure Monitor alert rule.
- C. Create an Azure Service Health alert.
- D. Create and configure an action group.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 2

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.

You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.

You need to ensure that an email alert is generated whenever VMSS1 scales in or out.

Solution: From Azure Monitor, configure the autoscale settings.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 3

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You configure Azure Application Insights and the shared service plan tier for a web app.

You enable Smart Detection.

You confirm that standard metrics are visible in the logs, but when you test a failure, you do not receive a Smart Detection notification.

What prevents the Smart Detection notification from being sent?

- A. You must enable the Snapshot Debugger for the web app.
- B. Smart Detection uses the first 24 hours to establish the normal behavior of the web app.
- C. The web app is configured to use the shared service plan tier.
- D. You must restart the web app before Smart Detection is enabled.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 4

Topic #: 3

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are planning projects for three customers. Each customer's preferred process for work items is shown in the following table.

| Customer name        | Preferred process  |
|----------------------|--|
| Litware, Inc.        | Track product backlog items (PBIs) and bugs on the Kanban board. Break the PBIs down into tasks on the task board. |
| Contoso, Ltd.        | Track user stories and bugs on the Kanban board. Track the bugs and tasks on the task board.                       |
| A. Datum Corporation | Track requirements, change requests, risks, and reviews.   |

The customers all plan to use Azure DevOps for work item management.

Which work item process should you use for each customer? To answer, drag the appropriate work item processes to the correct customers. Each work item process may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

**Processes**

Agile

CMMI

Scrum

XP

**Answer Area**

Litware

Contoso:

A. Datum:

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 5

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You configure an Azure Application Insights availability test.

You need to notify the customer services department at your company by email when availability is degraded.

You create an Azure logic app that will handle the email and follow up actions.

Which type of trigger should you use to invoke the logic app?

- A. an HTTPWebhook trigger
- B. an HTTP trigger
- C. a Request trigger
- D. an ApiConnection trigger

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 6

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization named Contoso and an Azure subscription.

You use Azure DevOps to build a containerized app named App1 and deploy App1 to an Azure container instance named ACI1.

You need to restart ACI1 when App1 stops responding.

What should you do?

- A. Add a liveness probe to the YAML configuration of App1.
- B. Add a readiness probe to the YAML configuration of App1.
- C. Use Connection Monitor in Azure Network Watcher.
- D. Use IP flow verify in Azure Network Watcher.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 7

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You have a multi-tier application that has an Azure Web Apps front end and an Azure SQL Database back end.

You need to recommend a solution to capture and store telemetry data. The solution must meet the following requirements:

- ⇒ Support using ad-hoc queries to identify baselines.
- ⇒ Trigger alerts when metrics in the baseline are exceeded.
- ⇒ Store application and database metrics in a central location.

What should you include in the recommendation?

- A. Azure Event Hubs
- B. Azure SQL Database Intelligent Insights
- C. Azure Application Insights
- D. Azure Log Analytics

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 8

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.

You use Azure DevOps to build a web app named App1 and deploy App1 to VMSS1. App1 is used heavily and has usage patterns that vary on a weekly basis.

You need to recommend a solution to detect an abnormal rise in the rate of failed requests to App1. The solution must minimize administrative effort.

What should you include in the recommendation?

- A. the Smart Detection feature in Azure Application Insights
- B. the Failures feature in Azure Application Insights
- C. an Azure Service Health alert
- D. an Azure Monitor alert that uses an Azure Log Analytics query

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 9

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You need to ensure that Microsoft Visual Studio 2017 can remotely attach to an Azure Function named fa-11566895.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 10

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains resources in several resource groups.

You need to design a monitoring strategy that will provide a consolidated view. The solution must support the following requirements:

- ⇒ Support role-based access control (RBAC) by using Azure Active Directory (Azure AD) identifies.
- ⇒ Include visuals from Azure Monitor that are generated by using the Kusto query language.
- ⇒ Support documentation written in markdown.
- ⇒ Use the latest data available for each visual.

What should you use to create the consolidated view?

- A. Azure Monitor
- B. Microsoft Power BI
- C. Azure Data Explorer
- D. Azure dashboards

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 11

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You are automating the testing process for your company.

You need to automate UI testing of a web application.

Which framework should you use?

- A. JaCoco
- B. Selenium
- C. Xamarin.UITest
- D. Microsoft.CodeAnalysis

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 12

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You are building an ASP.NET Core application.

You plan to create an application utilization baseline by capturing telemetry data.

You need to add code to the application to capture the telemetry data. The solution must minimize the costs of storing the telemetry data.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point

- A. Add the `<InitialSamplingPercentage>99</InitialSamplingPercentage>` parameter to the `ApplicationInsights.config` file.
- B. From the code of the application, enable adaptive sampling.
- C. From the code of the application, add Azure Application Insights telemetry.
- D. Add the `<MaxTelemetryItemsPerSecond>5</MaxTelemetryItemsPerSecond>` parameter to the `ApplicationInsights.config` file.
- E. From the code of the application, disable adaptive sampling.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 13

Topic #: 3

[\[All AZ-400 Questions\]](#)

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 and an Azure Standard Load Balancer named LB1. LB1 distributes incoming requests across VMSS1 instances.

You use Azure DevOps to build a web app named App1 and deploy App1 to VMSS1. App1 is accessible via HTTPS only and configured to require mutual authentication by using a client certificate.

You need to recommend a solution for implementing a health check of App1. The solution must meet the following requirements:

- ⇒ Identify whether individual instances of VMSS1 are eligible for an upgrade operation.
- ⇒ Minimize administrative effort.

What should you include in the recommendation?

- A. an Azure Load Balancer health probe
- B. Azure Monitor autoscale
- C. the Custom Script Extension
- D. the Application Health extension

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 14

Topic #: 3

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have an application named App1 that has a custom domain of app.contoso.com.

You create a test in Azure Application Insights as shown in the following exhibit.

### Create test

#### ^ Basic Information

\* Test name

availability ✓

[Learn more about configuring tests against applications hosted behind a firewall](#)

Test type

URL ping test ▼

\* URL ⓘ

https://app.contoso.com ✓

Parse dependent requests ⓘ



Enable retries for availability test failures. ⓘ



Test frequency ⓘ

5 minutes ▼

#### ^ Test locations

4 location(s) configured

#### ^ Success criteria

Test Timeout ⓘ

30 seconds ▼

HTTP response ⓘ

Status code must equal

200

Content match ⓘ

Content must contain

Copyright Contoso

#### ^ Alerts

Enabled

Create

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

The test will execute **[answer choice]**.

▼

- every 30 seconds at a random location
- every 30 seconds per location
- every five minutes at a random location
- every five minutes per location

The test will pass if **[answer choice]** within 30 seconds.

▼

- App1 responds to an ICMP ping
- the HTML of App1 and the HTML from URLs in <a> tags load
- all the HTML, JavaScripts, and images of App1 load

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 15

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You have a build pipeline in Azure Pipelines that occasionally fails.

You discover that a test measuring the response time of an API endpoint causes the failures.

You need to prevent the build pipeline from failing due to the test.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Set Flaky test detection to Off.
- B. Clear Flaky tests included in test pass percentage.
- C. Enable Test Impact Analysis (TIA).
- D. Manually mark the test as flaky.
- E. Enable test slicing.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 16

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

Your company hosts a web application in Azure. The company uses Azure Pipelines for the build and release management of the application.

Stakeholders report that the past few releases have negatively affected system performance.

You configure alerts in Azure Monitor.

You need to ensure that new releases are only deployed to production if the releases meet defined performance baseline criteria in the staging environment first.

What should you use to prevent the deployment of releases that fall to meet the performance baseline?

- A. an Azure Scheduler job
- B. a trigger
- C. a gate
- D. an Azure function

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 17

Topic #: 3

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time.

Solution: Perform a Subscription Health scan when packages are created.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 18

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

Your company uses the following resources:

- ⇒ Windows Server 2019 container images hosted in an Azure Container Registry.
- ⇒ Azure virtual machines that run the latest version of Ubuntu
- ⇒ An Azure Log Analytics workspace
- ⇒ Azure Active Directory (Azure AD)
- ⇒ An Azure key vault

For which two resources can you receive vulnerability assessments in Azure Security Center? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. the Azure Log Analytics workspace
- B. the Azure key vault
- C. the Azure virtual machines that run the latest version of Ubuntu
- D. Azure Active Directory (Azure AD)
- E. The Windows Server 2019 container images hosted in the Azure Container Registry.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 19

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You use Azure Pipelines to manage build pipelines, GitHub to store source code, and Dependabot to manage dependencies.

You have an app named App1.

Dependabot detects a dependency in App1 that requires an update.

What should you do first to apply the update?

- A. Create a pull request.
- B. Approve the pull request.
- C. Create a branch.
- D. Perform a commit.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 20

Topic #: 3

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time.

Solution: Add a code coverage step to the build pipelines.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 21

Topic #: 3

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time.

Solution: Implement Continuous Integration for the project.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 22

Topic #: 3

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You manage a project in Azure DevOps.

You need to prevent the configuration of the project from changing over time.

Solution: Implement Continuous Assurance for the project.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 23

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You are designing a configuration management solution to support five apps hosted on Azure App Service. Each app is available in the following three environments: development, test, and production.

You need to recommend a configuration management solution that meets the following requirements:

- ⇒ Supports feature flags
- ⇒ Tracks configuration changes from the past 30 days
- ⇒ Stores hierarchically structured configuration values
- ⇒ Controls access to the configurations by using role-based access control (RBAC) permissions
- ⇒ Stores shared values as key/value pairs that can be used by all the apps

Which Azure service should you recommend as the configuration management solution?

- A. Azure Cosmos DB
- B. Azure App Service
- C. Azure App Configuration
- D. Azure Key Vault

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 24

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You have a containerized solution that runs in Azure Container Instances. The solution contains a frontend container named App1 and a backend container named DB1. DB1 loads a large amount of data during startup.

You need to verify that DB1 can handle incoming requests before users can submit requests to App1.

What should you configure?

- A. a liveness probe
- B. a performance log
- C. a readiness probe
- D. an Azure Load Balancer health probe

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 25

Topic #: 3

[\[All AZ-400 Questions\]](#)

---

You are designing a strategy to monitor the baseline metrics of Azure virtual machines that run Windows Server.

You need to collect detailed data about the processes running in the guest operating system.

Which two agents should you deploy? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. the Telegraf agent
- B. the Azure Log Analytics agent
- C. the Azure Network Watcher Agent for Windows
- D. the Dependency agent

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 26

Topic #: 3

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You use Azure Pipelines to automate Continuous Integration/Continuous Deployment (CI/CD) for an Azure web app named WebApp1.

You configure an Azure Monitor alert that is triggered when WebApp1 generates an error.

You need to configure the alert to forward details of the error to a third-party system. The solution must minimize administrative effort.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

### Actions

### Answer Area

Select the Recurrence trigger.

Create an Azure event hub.

Create an Azure logic app.

Select the HTTP request trigger.

Update the action group in Azure Monitor.

Select the Sliding Window trigger.



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 27

Topic #: 3

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.

You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.

You need to ensure that an email alert is generated whenever VMSS1 scales in or out.

Solution: From Azure DevOps, configure the Notifications settings for Project1.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 28

Topic #: 3

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.

You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.

You need to ensure that an email alert is generated whenever VMSS1 scales in or out.

Solution: From Azure DevOps, configure the Service hooks settings for Project1.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 29

Topic #: 3

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure DevOps organization named Contoso and an Azure subscription. The subscription contains an Azure virtual machine scale set named VMSS1 that is configured for autoscaling.

You have a project in Azure DevOps named Project1. Project1 is used to build a web app named App1 and deploy App1 to VMSS1.

You need to ensure that an email alert is generated whenever VMSS1 scales in or out.

Solution: From Azure Monitor, create an action group.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 30

Topic #: 3

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are using the Dependency Tracker extension in a project in Azure DevOps.

You generate a risk graph for the project.

What should you use in the risk graph to identify the number of dependencies and the risk level of the project? To answer, drag the appropriate elements to the correct data points. Each element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Elements

Link color

Link length

Link width

Node color

### Answer Area

Number of dependencies

Risk level

Two dashed rectangular boxes are positioned to the right of the 'Answer Area' labels. The top box is aligned with 'Number of dependencies' and the bottom box is aligned with 'Risk level'. These boxes are intended for the user to drag the appropriate element from the 'Elements' list into them.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 59

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription linked to an Azure Active Directory Premium Plan 1 tenant.

A security review indicates that too many users have privileged access to resources.

You need to deploy a privileged access management solution that meets the following requirements:

- Enforces time limits on the use of privileged access
- Requires approval to activate privileged access
- Minimizes costs

What should you do first?

- A. Configure notifications when privileged roles are activated.
- B. Configure alerts for the activation of privileged roles.
- C. Enforce Azure Multi-Factor Authentication (MFA) for role activation.
- D. Upgrade the license of the Azure Active Directory (Azure AD) tenant.

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 61

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have a GitHub Enterprise account.

You need to enable push protection for secret scanning of the account repositories.

What should you do first?

- A. Purchase a GitHub Advanced Security license.
- B. Purchase Premium Plus support.
- C. Enforce multi-factor authentication (MFA).
- D. Create an access policy for secrets.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 62

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

Your company has a project in Azure DevOps named Project1.

All the developers at the company have Windows 10 devices.

You need to create a Git repository for Project1. The solution must meet the following requirements:

- Support large binary files.
- Store binary files outside of the repository.
- Use a standard Git workflow to maintain the metadata of the binary files by using commits to the repository.

Which three actions should you perform in sequence on each developer's device? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

### Actions

Configure SSH key-based authentication.

Configure personal access token (PAT)-based authentication.

Perform a custom installation of Git for Windows that includes Git Virtual File System (GVFS).

Configure Git Large File Storage (LFS) file tracking.

Perform a custom installation of Git for Windows that includes Git Large File Storage (LFS).

### Answer Area



Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 1

Topic #: 4

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have an Azure subscription that contains the resources shown in the following table.

| Name | Type               |
|------|--------------------|
| DF1  | Azure Data Factory |
| SQL1 | Azure SQL Database |
| KV1  | Azure Key Vault    |

You plan to create a linked service in DF1. The linked service will connect to SQL1 by using Microsoft SQL Server authentication. The password for the SQL

Server login will be stored -

in KV1.

You need to configure DF1 to retrieve the password when the data factory connects to SQL1. The solution must use the principle of least privilege.

How should you configure DF1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

Permission type:

|             |
|-------------|
| Key         |
| Secret      |
| Certificate |

Access method:

|                                  |
|----------------------------------|
| Access policy                    |
| Service endpoint policy          |
| Role-based access control (RBAC) |

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 2

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have several Azure Active Directory (Azure AD) accounts.

You need to ensure that users use multi-factor authentication (MFA) to access Azure apps from untrusted networks.

What should you configure in Azure AD?

- A. access reviews
- B. managed identities
- C. entitlement management
- D. conditional access

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 3

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You plan to provision a self-hosted Linux agent.

Which authentication mechanism should you use to register the self-hosted agent?

- A. personal access token (PAT)
- B. SSH key
- C. Alternate credentials
- D. certificate

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 4

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You are building a Microsoft ASP.NET application that requires authentication.

You need to authenticate users by using Azure Active Directory (Azure AD).

What should you do first?

- A. Assign an enterprise application to users and groups
- B. Create an app registration in Azure AD
- C. Configure the application to use a SAML endpoint
- D. Create a new OAuth token from the application
- E. Create a membership database in an Azure SQL database

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 5

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization named Contoso.

You need to recommend an authentication mechanism that meets the following requirements:

- ⇒ Supports authentication from Git
- ⇒ Minimizes the need to provide credentials during authentication

What should you recommend?

- A. personal access tokens (PATs) in Azure DevOps
- B. Alternate credentials in Azure DevOps
- C. user accounts in Azure Active Directory (Azure AD)
- D. managed identities in Azure Active Directory (Azure AD)

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 6

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an application that consists of several Azure App Service web apps and Azure functions.

You need to assess the security of the web apps and the functions.

Which Azure feature can you use to provide a recommendation for the security of the application?

- A. Security & Compliance in Azure Log Analytics
- B. Resource health in Azure Service Health
- C. Smart Detection in Azure Application Insights
- D. Compute & apps in Azure Security Center

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 7

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Your company has a project in Azure DevOps for a new web application.

The company identifies security as one of the highest priorities.

You need to recommend a solution to minimize the likelihood that infrastructure credentials will be leaked.

What should you recommend?

- A. Add a Run Inline Azure PowerShell task to the pipeline.
- B. Add a PowerShell task to the pipeline and run Set-AzureKeyVaultSecret.
- C. Add an Azure Key Vault task to the pipeline.
- D. Add Azure Key Vault references to Azure Resource Manger templates.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 8

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You need to ensure that an Azure web app named az400-123456789-main can retrieve secrets from an Azure key vault named az400-123456789-kv1 by using a system managed identity.

The solution must use the principle of least privilege.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 9

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You create a Microsoft ASP.NET Core application.

You plan to use Azure Key Vault to provide secrets to the application as configuration data.

You need to create a Key Vault access policy to assign secret permissions to the application. The solution must use the principle of least privilege.

Which secret permissions should you use?

- A. List only
- B. Get only
- C. Get and List

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 10

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

Your company has a project in Azure DevOps.

You plan to create a release pipeline that will deploy resources by using Azure Resource Manager templates. The templates will reference secrets stored in Azure Key Vault.

You need to recommend a solution for accessing the secrets stored in the key vault during deployments. The solution must use the principle of least privilege.

What should you include in the recommendation? To answer, drag the appropriate configurations to the correct targets. Each configuration may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Configurations

A Key Vault access policy

A Key Vault advanced access policy

RBAC

### Answer Area

Enable key vaults for template deployment by using:

Restrict access to the secrets in Key Vault by using:

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 11

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You need to configure access to Azure DevOps agent pools to meet the following requirements:

- ⇒ Use a project agent pool when authoring build or release pipelines.
- ⇒ View the agent pool and agents of the organization.
- ⇒ Use the principle of least privilege.

Which role memberships are required for the Azure DevOps organization and the project? To answer, drag the appropriate role memberships to the correct targets.

Each role membership may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

#### Roles

#### Answer Area

Administrator

Reader

Service Account

User

Organization:

Project:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 12

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have a branch policy in a project in Azure DevOps. The policy requires that code always builds successfully.

You need to ensure that a specific user can always merge changes to the master branch, even if the code fails to compile. The solution must use the principle of least privilege.

What should you do?

- A. Add the user to the Build Administrators group.
- B. Add the user to the Project Administrators group.
- C. From the Security settings of the repository, modify the access control for the user.
- D. From the Security settings of the branch, modify the access control for the user.

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 13

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure Resource Manager template that deploys a multi-tier application.

You need to prevent the user who performs the deployment from viewing the account credentials and connection strings used by the application.

What should you use?

- A. Azure Key Vault
- B. a Web.config file
- C. an Appsettings.json file
- D. an Azure Storage table
- E. an Azure Resource Manager parameter file

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 14

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

Your company plans to implement a new compliance strategy that will require all Azure web apps to be backed up every five hours.

You need to back up an Azure web app named az400-123456789-main every five hours to an Azure Storage account in your resource group.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 15

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You need to configure a virtual machine named VM1 to securely access stored secrets in an Azure Key Vault named az400-123456789-kv.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 16

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

Your company has an Azure subscription named Subscription1. Subscription1 is associated to an Azure Active Directory tenant named contoso.com.

You need to provision an Azure Kubernetes Services (AKS) cluster in Subscription1 and set the permissions for the cluster by using RBAC roles that reference the identities in contoso.com.

Which three objects should you create in sequence? To answer, move the appropriate objects from the list of objects to the answer area and arrange them in the correct order.

Select and Place:

### Answer Area

#### Objects

a system-assigned managed identity

a cluster

an application registration in contoso.com

an RBAC binding

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 17

Topic #: 4

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You manage build and release pipelines by using Azure DevOps. Your entire managed environment resides in Azure.

You need to configure a service endpoint for accessing Azure Key Vault secrets. The solution must meet the following requirements:

- ⇒ Ensure that the secrets are retrieved by Azure DevOps.
- ⇒ Avoid persisting credentials and tokens in Azure DevOps.

How should you configure the service endpoint? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Service connection type:

|   |   |
|---|---|
|   | ▼ |
| Azure Resource Manager                                      |   |
| Generic service   |   |
| Team Foundation Server / Azure Pipelines service connection |   |

Authentication/authorization method for the connection:

|   |   |
|---|---|
|   | ▼ |
| Azure Active Directory OAuth 2.0        |   |
| Grant authorization                     |   |
| Managed Service Identity Authentication |   |

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 18

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You are deploying a server application that will run on a Server Core installation of Windows Server 2019.

You create an Azure key vault and a secret.

You need to use the key vault to secure API secrets for third-party integrations.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure RBAC for the key vault.
- B. Modify the application to access the key vault.
- C. Configure a Key Vault access policy.
- D. Deploy an Azure Desired State Configuration (DSC) extension.
- E. Deploy a virtual machine that uses a system-assigned managed identity.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 19

Topic #: 4

[\[All AZ-400 Questions\]](#)

HOTSPOT -

Your company is creating a suite of three mobile applications.

You need to control access to the application builds. The solution must be managed at the organization level.

What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Groups to control the build access:

|  |   |
|--|---|
|  | ▼ |
| Active Directory groups                                |   |
| Azure Active Directory groups                          |   |
| Microsoft Visual Studio App Center distribution groups |   |

Group type:

|         |   |
|---------|---|
|         | ▼ |
| Private |   |
| Public  |   |
| Shared  |   |

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 20

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization named Contoso that contains a project named Project1.

You provision an Azure key vault named Keyvault1.

You need to reference Keyvault1 secrets in a build pipeline of Project1.

What should you do first?

- A. Add a secure file to Project1.
- B. Create an XAML build service.
- C. Create a variable group in Project1.
- D. Configure the security policy of Contoso.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 22

Topic #: 4

[\[All AZ-400 Questions\]](#)

You have the following Azure policy.

```
if: {
  allOf: [
    {
      "field": "type",
      "equals": "Microsoft.Storage/storageAccounts"
    },
    {
      "field": "Microsoft.Storage/storageAccounts/supportsHttpsTrafficOnly",
      "notEquals": "true"
    }
  ]
},
then: {
  effect: "deny"
}
```

You assign the policy to the Tenant root group.

What is the effect of the policy?

- A. prevents all HTTP traffic to existing Azure Storage accounts
- B. ensures that all traffic to new Azure Storage accounts is encrypted
- C. prevents HTTPS traffic to new Azure Storage accounts when the accounts are accessed over the Internet
- D. ensures that all data for new Azure Storage accounts is encrypted at rest

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 23

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization named Contoso, an Azure DevOps project named Project1, an Azure subscription named Sub1, and an Azure key vault named vault1.

You need to ensure that you can reference the values of the secrets stored in vault1 in all the pipelines of Project1. The solution must prevent the values from being stored in the pipelines.

What should you do?

- A. Create a variable group in Project1.
- B. Add a secure file to Project1.
- C. Modify the security settings of the pipelines.
- D. Configure the security policy of Contoso.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 24

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You use GitHub Enterprise Server as a source code repository.

You create an Azure DevOps organization named Contoso.

In the Contoso organization, you create a project named Project1.

You need to link GitHub commits, pull requests, and issues to the work items of Project1. The solution must use OAuth-based authentication.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

**Answer Area**

From Developer settings in GitHub Enterprise Server, register a new OAuth app.

From Project Settings in Azure DevOps, create a service hook subscription.

From Organization settings in Azure DevOps, connect to Azure Active Directory (Azure AD).

From Project Settings in Azure DevOps, add a GitHub connection.

From Organization settings in Azure DevOps, add an OAuth configuration.

From Developer settings in GitHub Enterprise Server, generate a private key.



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 25

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are configuring an Azure DevOps deployment pipeline. The deployed application will authenticate to a web service by using a secret stored in an Azure key vault. You need to use the secret in the deployment pipeline.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

**Answer Area**

Create a service principal in Azure Active Directory (Azure AD).

Add an app registration in Azure Active Directory (Azure AD).

Configure an access policy in the key vault.

Generate a self-signed certificate.

Add an Azure Resource Manager service connection to the pipeline.

Export a certificate from the key vault.



Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 26

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have a private project in Azure DevOps and two users named User1 and User2.

You need to add User1 and User2 to groups to meet the following requirements:

- ⇒ User1 must be able to create a code wiki.
- ⇒ User2 must be able to edit wiki pages.
- ⇒ The solution must use the principle of least privilege.

To which group should you add each user? To answer, drag the appropriate groups to the correct users. Each group may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Groups

Build Administrators

Contributors

Project Administrators

Project Valid Users

Stakeholders

### Answer Area

User1:

User2:

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 27

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You use WhiteSource Bolt to scan a Node.js application.

The WhiteSource Bolt scan identifies numerous libraries that have invalid licenses. The libraries are used only during development and are not part of a production deployment.

You need to ensure that WhiteSource Bolt only scans production dependencies.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Run `npm install` and specify the `--production` flag.
- B. Modify the WhiteSource Bolt policy and set the action for the licenses used by the development tools to Reassign.
- C. Modify the `devDependencies` section of the project's `Package.json` file.
- D. Configure WhiteSource Bolt to scan the `node_modules` directory only.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 28

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to update the Azure DevOps strategy of your company.

You need to identify the following issues as they occur during the company's development process:

- ⇒ Licensing violations
- ⇒ Prohibited libraries

Solution: You implement continuous integration.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 29

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to update the Azure DevOps strategy of your company.

You need to identify the following issues as they occur during the company's development process:

- ⇒ Licensing violations
- ⇒ Prohibited libraries

Solution: You implement pre-deployment gates.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 30

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to update the Azure DevOps strategy of your company.

You need to identify the following issues as they occur during the company's development process:

- ⇒ Licensing violations
- ⇒ Prohibited libraries

Solution: You implement automated security testing.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 31

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You plan to update the Azure DevOps strategy of your company.

You need to identify the following issues as they occur during the company's development process:

- ⇒ Licensing violations
- ⇒ Prohibited libraries

Solution: You implement continuous deployment.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 32

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You manage a website that uses an Azure SQL Database named db1 in a resource group named RG1lod11566895.

You need to modify the SQL database to protect against SQL injection.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 33

Topic #: 4

[\[All AZ-400 Questions\]](#)

HOTSPOT -

Your company has an Azure subscription.

The company requires that all resource groups in the subscription have a tag named organization set to a value of Contoso.

You need to implement a policy to meet the tagging requirement.

How should you complete the policy? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
{
  "policyRule": {
    "if": {
      "allOf": [
        {
          "field": "type",
          "equals": 
        },
        {
          "not": {
            "field": "tags['organization']",
            "equals": "Contoso"
          }
        }
      ]
    },
    "then": {
      "effect": 
      "details": [
        {
          "field": "tags['organization']",
          "value": "Contoso"
        }
      ]
    }
  }
}
```

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 34

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You need to configure GitHub to use Azure Active Directory (Azure AD) for authentication.

What should you do first?

- A. Create a conditional access policy in Azure AD.
- B. Register GitHub in Azure AD.
- C. Create an Azure Active Directory B2C (Azure AD B2C) tenant.
- D. Modify the Security settings of the GitHub organization.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 35

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps project named Project1 and an Azure subscription named Sub1.

You need to prevent releases from being deployed unless the releases comply with the Azure Policy rules assigned to Sub1.

What should you do in the release pipeline of Project1?

- A. Add a deployment gate.
- B. Modify the Deployment queue settings.
- C. Configure a deployment trigger.
- D. Create a pipeline variable.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 36

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have an Azure Kubernetes Service (AKS) implementation that is RBAC-enabled.

You plan to use Azure Container Instances as a hosted development environment to run containers in the AKS implementation.

You need to configure Azure Container Instances as a hosted environment for running the containers in AKS.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

### Actions

Run `helm init`.

Run `az aks install-connector`.

Create a YAML file.

Run `az role assignment create`

Run `kubectl apply`.

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 37

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps project that contains a build pipeline. The build pipeline uses approximately 50 open source libraries.

You need to ensure that all the open source libraries comply with your company's licensing standards.

Which service should you use?

- A. Ansible
- B. Maven
- C. WhiteSource Bolt
- D. Helm

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 38

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You are designing the security validation strategy for a project in Azure DevOps.

You need to identify package dependencies that have known security issues and can be resolved by an update.

What should you use?

- A. Octopus Deploy
- B. Jenkins
- C. Gradle
- D. SonarQube

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 39

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You administer an Azure DevOps project that includes package feeds.

You need to ensure that developers can unlist and deprecate packages. The solution must use the principle of least privilege.

Which access level should you grant to the developers?

- A. Collaborator
- B. Contributor
- C. Owner

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 40

Topic #: 4

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have a project in Azure DevOps that has three teams as shown in the Teams exhibit. (Click the Teams tab.)

stlo / Contoso / Settings / Teams

Search

SL

**Project Settings**

Contoso

General

- Overview
- Teams**
- Permissions
- Notifications
- Service hooks
- Dashboards

**Boards**

- Project configuration
- Team configuration

**Teams**

Filter teams

Total 3 New Team

| Name ↓                                      | Description               | Members |
|---|---------------------------|---------|
| <b>CT</b> Contoso Team <span>Default</span> | The default project team. | 1       |
| <b>DT</b> DB Team                           | Parts Unlimited Web Team  | 0       |
| <b>WT</b> Web Team                          | PUL DB Team               | 0       |

You create a new dashboard named Dash1.

You configure the dashboard permissions for the Contoso project as shown in the Permissions exhibit. (Click the Permissions tab.)

stlo / Contoso / Settings / Dashboards / Contoso Teams

Search

SL

**Project Settings**

Contoso

General

- Overview
- Teams
- Permissions
- Notifications
- Service hooks
- Dashboards**

**Dashboards**

Only team admins can set a team's permissions for all dashboards. The permissions set here affect all dashboards for this team.

- Create dashboards ⓘ
- Edit dashboards ⓘ
- Delete dashboards ⓘ

All other permissions have the default values set.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

| Statements  | Yes                   | No                    |
|---|-----------------------|-----------------------|
| Web Team can delete Dash1.                        | <input type="radio"/> | <input type="radio"/> |
| Contoso Team can view Dash1.                      | <input type="radio"/> | <input type="radio"/> |
| Project administrators can create new dashboards. | <input type="radio"/> | <input type="radio"/> |

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 41

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.

You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.

What should you use?

- A. Microsoft Visual SourceSafe
- B. Code Style
- C. Black Duck
- D. Jenkins

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 42

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are implementing a package management solution for a Node.js application by using Azure Artifacts.

You need to configure the development environment to connect to the package repository. The solution must minimize the likelihood that credentials will be leaked.

Which file should you use to configure each connection? To answer, drag the appropriate files to the correct connections. Each file may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

#### Files

The .npmrc file in the project

The .npmrc file in the user's home folder

The Package.json file in the project

The Project.json file in the project

#### Answer Area

Feed registry information:

Credentials:

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 43

Topic #: 4

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You have an Azure DevOps project that contains a build pipeline. The build pipeline uses approximately 50 open source libraries.

You need to ensure that the project can be scanned for known security vulnerabilities in the open source libraries.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Object to create:

|                         |
|-------------------------|
|                         |
| A build task            |
| A deployment task       |
| An artifacts repository |

Service to use:

|                  |
|------------------|
|                  |
| WhiteSource Bolt |
| Bamboo           |
| CMake            |
| Chef             |

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 44

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps project that contains a build pipeline. The build pipeline uses approximately 50 open source libraries.

You need to ensure that all the open source libraries comply with your company's licensing standards.

Which service should you use?

- A. NuGet
- B. Maven
- C. Black Duck
- D. Helm

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 45

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You plan to use Azure Kubernetes Service (AKS) to host containers deployed from images hosted in a Docker Trusted Registry.

You need to recommend a solution for provisioning and connecting to AKS. The solution must ensure that AKS is RBAC-enabled and uses a custom service principal.

Which three commands should you recommend be run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

Select and Place:

**Commands**

**Answer Area**

az role assignment create

az aks get-credentials

az aks create

az ad sp create-for-rbac

kubectl create



Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 46

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Your company develops an app for iOS. All users of the app have devices that are members of a private distribution group in Microsoft Visual Studio App Center.

You plan to distribute a new release of the app.

You need to identify which certificate file you require to distribute the new release from App Center.

Which file type should you upload to App Center?

- A. .cer
- B. .pfx
- C. .p12
- D. .pvk

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 47

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You need to prepare a network security group (NSG) named az400-123456789-nsg1 to host an Azure DevOps pipeline agent. The solution must allow only the required outbound port for Azure DevOps and deny all other inbound and outbound access to the Internet.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 48

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have a project in Azure DevOps named Project1 that contains two Azure DevOps pipelines named Pipeline1 and Pipeline2.

You need to ensure that Pipeline1 can deploy code successfully to an Azure web app named webapp1. The solution must ensure that Pipeline2 does not have permission to webapp1.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

### Actions

### Answer Area

Create a service principal in Azure Active Directory.

In Project1, create a service connection.

In Pipeline1, authorize the service connection.

Create a system-assigned managed identity in Azure Active Directory.

In Project1, configure permissions.

In Pipeline1, create a variable.



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 49

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You need to increase the security of your team's development process.

Which type of security tool should you recommend for each stage of the development process? To answer, drag the appropriate security tools to the correct stages.

Each security tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

## Security Tools

## Answer Area

Penetration testing

Pull request:

Static code analysis

Continuous integration:

Threat modeling

Continuous delivery:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 50

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

Your company is concerned that when developers introduce open source libraries, it creates licensing compliance issues.

You need to add an automated process to the build pipeline to detect when common open source libraries are added to the code base.

What should you use?

- A. OWASP ZAP
- B. Jenkins
- C. Code Style
- D. WhiteSource Bolt

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 51

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You plan to use a NuGet package in a project in Azure DevOps. The NuGet package is in a feed that requires authentication.

You need to ensure that the project can restore the NuGet package automatically.

What should the project use to automate the authentication?

- A. an Azure Automation account
- B. an Azure Artifacts Credential Provider
- C. an Azure Active Directory (Azure AD) account that has multi-factor authentication (MFA) enabled
- D. an Azure Active Directory (Azure AD) service principal

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 52

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You use Azure Pipelines to manage project builds and deployments.

You plan to use Azure Pipelines for Microsoft Teams to notify the legal team when a new build is ready for release.

You need to configure the Organization Settings in Azure DevOps to support Azure Pipelines for Microsoft Teams.

What should you turn on?

- A. Third-party application access via OAuth
- B. Azure Active Directory Conditional Access Policy Validation
- C. Alternate authentication credentials
- D. SSH authentication

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 53

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an existing project in Azure DevOps.

You plan to integrate GitHub as the repository for the project.

You need to ensure that Azure Pipelines runs under the Azure Pipelines identity.

Which authentication mechanism should you use?

- A. personal access token (PAT)
- B. GitHub App
- C. Azure Active Directory (Azure AD)
- D. OAuth

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 54

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have an Azure subscription that uses Azure Monitor and contains a Log Analytics workspace.

You have an encryption key.

You need to configure Azure Monitor to use the key to encrypt log data.

Which five actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

#### Actions

Configure the key vault properties for the cluster

Link the Log Analytics workspace to the cluster

Grant the system-assigned managed identity Key permissions for the key vault

Grant the system-assigned managed identity Certificate permissions for the key vault

Create an Azure Monitor Logs dedicated cluster that has a system-assigned managed identity

Create an Azure key vault and store the key

#### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 55

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have an Azure Key Vault that contains an encryption key named key1.

You plan to create a Log Analytics workspace that will store logging data.

You need to encrypt the workspace by using key1.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

Link the workspace.

Register the Azure subscription to allow cluster creation.

Grant permissions to the key vault.

Create a Log Analytics cluster.

Enable soft delete for the key vault.



**Answer Area**



Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 56

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You use release pipelines in Azure Pipelines to deploy an app. Secrets required by the pipeline are stored as pipeline variables. Logging of commands is enabled for the Azure Pipelines agent.

You need to prevent the values of the secrets from being logged.

What should you do?

- A. Store the secrets in the environment variables instead of the pipeline variables.
- B. Pass the secrets on the command line instead of in the pipeline variables.
- C. Apply a prefix of secret to the name of the variables.
- D. Echo the values of the secrets to the command line.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 57

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You need to deploy a new project in Azure DevOps that has the following requirements:

- \* The lead developer must be able to create repositories, manage permissions, manage policies, and contribute to the repository.
- \* Developers must be able to contribute to the repository and create branches, but NOT bypass policies when pushing builds.
- \* Project managers must only be able to view the repository.
- \* The principle of least privilege must be used.

You create a new Azure DevOps project team for each role.

To which Azure DevOps groups should you add each team? To answer, drag the appropriate groups to the correct teams. Each group may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

#### Azure DevOps groups

Build Administrators

Contributors

Project Administrators

Project Collection Administrators

Project Collection Valid Users

Readers

#### Answer Area

Project manager: Azure DevOps group

Lead developer: Azure DevOps group

Developer: Azure DevOps group

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 58

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have an Azure subscription that contains a project in Azure DevOps named Project1. You have three Azure Active Directory (Azure AD) users that require access to Project1 as shown in the following table.

| Name  | Title            | Requirement                                 |
|-------|------------------|---|
| User1 | Project Manager  | View repositories.                          |
| User2 | Development Lead | Create repositories and manage permissions. |
| User3 | Developer        | Create branches and tags.                   |

You need to ensure that the users have the appropriate permissions. The solution must use the principle of least privilege.

To which permission group in Azure DevOps should you add each user? To answer, drag the appropriate permission groups to the correct users. Each permission group may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Permission Groups

Build Administrators

Contributors

Project Administrators

Readers

### Answer Area

User1:

User2:

User3:

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 60

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You plan to create a GitHub workflow that will use GitHub Actions. The actions will require a 256-KB secret.

You need to recommend a solution to store and encrypt the secret. The secret value must be accessible only to the workflow. The solution must minimize administrative effort

What should you recommend?

- A. Store the secret in the organization-level GitHub secrets.
- B. Store the secret in the repository-level GitHub secrets.
- C. Encrypt the secret value and store the value in the repository. Store the decryption key in the repository-level GitHub secrets.
- D. Encrypt the secret value and store the value in the repository. Store the decryption key in the organization-level GitHub secrets.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 63

Topic #: 4

[\[All AZ-400 Questions\]](#)

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Your company uses Azure DevOps and Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.

Only users who have accounts in Azure AD can access the Azure DevOps environment.

You need to ensure that only devices that are connected to the on-premises network can access the Azure DevOps environment.

What should you do?

- A. Assign the Stakeholder access level to all users.
- B. In Azure DevOps, configure Security in Project Settings.
- C. In Azure AD, configure conditional access.
- D. In Azure AD, configure risky sign-ins.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 64

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains four Azure virtual machines.

You need to configure the virtual machines to use a single identity. The solution must meet the following requirements:

- Ensure that the credentials for the identity are managed automatically.
- Support granting privileges to the identity.

Which type of identity should you use?

- A. a system-assigned managed identity
- B. a user-assigned managed identity
- C. a service principal
- D. a user account

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 65

Topic #: 4

[\[All AZ-400 Questions\]](#)

HOTSPOT

You have an Azure subscription that contains an Azure key vault named Vault1, an Azure pipeline named Pipeline1, and an Azure SQL database named DB1.

Pipeline1 is used to deploy an app that will authenticate to DB1 by using a password.

You need to store the password in Vault1. The solution must ensure that the password can be accessed by Pipeline1.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

Store the password as a:

- Certificate
- Key
- Secret

Grant Pipeline1 access to Vault1 by modifying the:

- Access control (IAM) settings
- Access policies
- Security settings

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 66

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have a GitHub repository that contains multiple workflows and a secret stored at the environment level.

You need to ensure that the secret can be used by all the workflows.

What should you do first?

- A. Recreate the secret at the organization level.
- B. Recreate the secret at the repository level.
- C. Enable required reviewers.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 67

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have a GitHub organization that contains three users named User1, User2, and User3. You have a project that contains a repository named repo1.

You need to configure permissions for repo1. The solution must meet the following requirements:

- Ensure that User1 can actively push to repo1.
- Ensure that User2 can manage issues and pull requests for repo1.
- Ensure that User3 can manage repo1.
- Prevent User3 from accessing sensitive data in repo1.

Which role should you assign to each user? To answer, drag the appropriate roles to the correct users. Each role may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Roles

Admin

Maintain

Read

Triage

Write

### Answer Area

User1:

User2:

User3:

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 68

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an Azure key vault named KV1 and three web servers.

You plan to deploy an app named App1 to the web servers.

You need to ensure that App1 can retrieve a secret from KV1. The solution must meet the following requirements:

- Minimize the number of permission grants required.
- Follow the principle of least privilege.

What should you include in the solution?

- A. role-based access control (RBAC) permission
- B. a system-assigned managed identity
- C. a user-assigned managed identity
- D. a service principal

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 69

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You plan to use Azure DevOps to build and deploy an app that will be hosted in a Kubernetes cluster.

You need to scan the app image for vulnerabilities before the image is deployed to the cluster.

What should you include in the solution?

- A. Microsoft Defender for Containers
- B. Microsoft Defender for App Service
- C. Microsoft Defender for DevOps
- D. Microsoft Defender for Storage

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 70

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have an Azure Pipelines application CI/CD pipeline named Pipeline1.

You need to add OWASP ZAP testing to Pipeline1.

Which four actions should you add to Pipeline1 in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

### Actions

Spider the site.

Report the results.

Run the baseline.

Start a container.

Pull OWASP ZAP weekly.

Run an active scan.

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 71

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You have an app named App1 that is built by using Azure Pipelines. The source code for App1 is stored in Azure Repos and contains open source libraries.

You need to identify security vulnerabilities in the open source code.

What should you use?

- A. Mend Bolt
- B. Rollbar
- C. Code Climate
- D. DeepSource

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 72

Topic #: 4

[\[All AZ-400 Questions\]](#)

---

You manage code by using GitHub.

You plan to use Dependabot to scan for code dependencies.

You need to identify when scanning will be triggered automatically.

Which two actions will trigger a scan? Each correct answer presents a complete solution.

NOTE: Each correct solution is worth one point.

- A. The dependency graph of a repository changes.
- B. A pull request is created.
- C. A branch is forked.
- D. Any commit is pushed.
- E. A new advisory is added.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 21

Topic #: 4

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have a tenant in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra. The tenant contains three groups named Group1, Group2, and Group3.

You create a new project in Azure DevOps named Project1.

You need to secure the service connections for Project1. The solution must meet the following requirements:

- The members of Group1 must be able to share and unshare a service connection with other projects.
- The members of Group2 must be able to rename a service connection and update the description.
- The members of Group3 must be able to use the service connection within build or release pipelines.
- The principle of least privilege must be followed.

Which permission should you grant to each group? To answer, drag the appropriate permissions to the correct groups. Each permission may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Permissions

Contributor

Creator

Organization-level Administrator

Project-level Administrator

User

### Answer Area

Group1:

Group2:

Group3:

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 1

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You are designing the development process for your company.

You need to recommend a solution for continuous inspection of the company's code base to locate common code patterns that are known to be problematic.

What should you include in the recommendation?

- A. Microsoft Visual Studio test plans
- B. Gradle wrapper scripts
- C. SonarCloud analysis
- D. the JavaScript task runner

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 2

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.

You need to recommend changes to reduce the accumulated technical debt.

Solution: You recommend reducing the code coupling and the dependency cycles?

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 3

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

Your company uses Azure DevOps for the build pipelines and deployment pipelines of Java-based projects.

You need to recommend a strategy for managing technical debt.

Which two actions should you include in the recommendation? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure post-deployment approvals in the deployment pipeline.
- B. Configure pre-deployment approvals in the deployment pipeline.
- C. Integrate Azure DevOps and SonarQube.
- D. Integrate Azure DevOps and Azure DevTest Labs.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 4

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

Your company is building a new solution in Java.

The company currently uses a SonarQube server to analyze the code of .NET solutions.

You need to analyze and monitor the code quality of the Java solution.

Which task types should you add to the build pipeline?

- A. Gradle
- B. CocoaPods
- C. Grunt
- D. Gulp

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 5

Topic #: 5

[\[All AZ-400 Questions\]](#)

HOTSPOT -

Your company uses GitHub for source control. GitHub repositories store source code and store process documentation. The process documentation is saved as Microsoft Word documents that contain simple flow charts stored as .bmp files.

You need to optimize the integration and versioning of the process documentation and the flow charts. The solution must meet the following requirements:

- ⇒ Store documents as plain text.
- ⇒ Minimize the number of files that must be maintained.
- ⇒ Simplify the modification, merging, and reuse of flow charts.

Simplify the modification, merging, and reuse of documents.

•

Hot Area:

## Answer Area

Convert the .docx files to:

|                                 |
|---------------------------------|
| LaTex Typesetting (.tex)        |
| Markdown (.md)                  |
| Portable Document Format (.pdf) |

Convert the flow charts to:

|                                  |
|----------------------------------|
| Mermaid diagrams                 |
| Portable Network Graphics (.png) |
| Tagged Image File Format (.tiff) |

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 6

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

Your company is building a new solution in Java.

The company currently uses a SonarQube server to analyze the code of .NET solutions.

You need to analyze and monitor the code quality of the Java solution.

Which task types should you add to the build pipeline?

- A. Grunt
- B. Octopus
- C. Maven
- D. Gulp

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 7

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are developing a full Microsoft .NET Framework solution that includes unit tests.

You need to configure SonarQube to perform a code quality validation of the C# code as part of the build pipelines.

Which four tasks should you perform in sequence? To answer, move the appropriate tasks from the list of tasks to the answer area and arrange them in the correct order.

Select and Place:

#### Actions Commands Cmdlets Statements

Run Code Analysis

Visual Studio Test

Publish Build Artifacts

Visual Studio Build

Prepare Analysis Configuration

#### Answer Area

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 8

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

Your company uses Azure DevOps for the build pipelines and deployment pipelines of Java-based projects.

You need to recommend a strategy for managing technical debt.

Which action should you include in the recommendation?

- A. Configure post-deployment approvals in the deployment pipeline.
- B. Integrate Azure DevOps and SonarQube.
- C. Integrate Azure DevOps and Azure DevTest Labs.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 9

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You need to find and isolate shared code. The shared code will be maintained in a series of packages.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

#### Actions

Group the related components.

Assign ownership to each component group.

Create a dependency graph for the application.

Identify the most common language used.

Rewrite the components in the most common language.

#### Answer Area

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 10

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are creating a NuGet package.

You plan to distribute the package to your development team privately.

You need to share the package and test that the package can be consumed.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

**Actions**

**Answer Area**

Create a new Azure Artifacts feed.

Configure a self-hosted agent.

Publish a package.

Install a package.

Connect to an Azure Artifacts feed.



Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 11

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

During a code review, you discover many quality issues. Many modules contain unused variables and empty catch blocks.

You need to recommend a solution to improve the quality of the code.

What should you recommend?

- A. In a Grunt build task, select Enabled from Control Options.
- B. In a Maven build task, select Run PMD.
- C. In a Xcode build task, select Use xcpretty from Advanced.
- D. In a Gradle build task, select Run Checkstyle.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 12

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

Your development team is building a new web solution by using the Microsoft Visual Studio integrated development environment (IDE).

You need to make a custom package available to all the developers. The package must be managed centrally, and the latest version must be available for consumption in Visual Studio automatically.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Publish the package to a feed.
- B. Create a new feed in Azure Artifacts.
- C. Upload a package to a Git repository.
- D. Add the package URL to the Environment settings in Visual Studio.
- E. Add the package URL to the NuGet Package Manager settings in Visual Studio.
- F. Create a Git repository in Azure Repos.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 13

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use GitHub for source control.

A file that contains sensitive data is committed accidentally to the Git repository of a project.

You need to delete the file and its history from the repository.

Which two tools can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. the git filter-branch command
- B. BFG Repo-Cleaner
- C. the git rebase command
- D. GitHub Desktop

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 14

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

Your company uses GitHub for source control. The company has a team that performs code reviews.

You need to automate the assignment of the code reviews. The solution must meet the following requirements:

- ⇒ Prioritize the assignment of code reviews to team members who have the fewest outstanding assignments.
- ⇒ Ensure that each team member performs an equal number of code reviews in any 30-day period.
- ⇒ Prevent the assignment of code reviews to the team leader.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Clear Never assign certain team members.
- B. Select If assigning team members, don't notify the entire team.
- C. Select Never assign certain team members.
- D. Set Routing algorithm to Round robin.
- E. Set Routing algorithm to Load balance.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 15

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You have a GitHub repository.

You create a new repository in Azure DevOps.

You need to recommend a procedure to clone the repository from GitHub to Azure DevOps.

What should you recommend?

- A. Create a pull request.
- B. Create a webhook.
- C. Create a service connection for GitHub.
- D. From Import a Git repository, click Import.
- E. Create a personal access token in Azure DevOps.

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 16

Topic #: 5

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.

You need to recommend changes to reduce the accumulated technical debt.

Solution: You recommend increasing the code duplication.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 17

Topic #: 5

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.

You need to recommend changes to reduce the accumulated technical debt.

Solution: You recommend increasing the test coverage.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 18

Topic #: 5

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

The lead developer at your company reports that adding new application features takes longer than expected due to a large accumulated technical debt.

You need to recommend changes to reduce the accumulated technical debt.

Solution: You recommend reducing the code complexity.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 19

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

During a code review, you discover quality issues in a Java application.

You need to recommend a solution to detect quality issues including unused variables and empty catch blocks.

What should you recommend?

- A. In a Maven build task, select Run PMD.
- B. In an Xcode build task, select Use xcpretty from Advanced.
- C. In a Gulp build task, specify a custom condition expression.
- D. In a Grunt build task, select Enabled from Control Options.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 20

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use Azure Artifacts to host NuGet packages that you create.

You need to make one of the packages available to anonymous users outside your organization. The solution must minimize the number of publication points.

What should you do?

- A. Change the feed URL of the package
- B. Create a new feed for the package
- C. Promote the package to a release view.
- D. Publish the package to a public NuGet repository.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 21

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use GitHub for source control and project-related discussions.

You receive a notification when an entry is made to any team discussion.

You need to ensure that you receive email notifications only for discussions in which you commented or in which you are mentioned.

Which two Notifications settings should you clear? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Automatically watch teams
- B. Participating
- C. Automatically watch repositories
- D. Watching

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 22

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You have an Azure Automation account that contains a runbook. The runbook is used to configure the application infrastructure of an Azure subscription.

You have a project in Azure DevOps named Project1. Project1 contains a repository that stores code for the runbook.

You need to ensure that every committed change to the code will update automatically and publish the runbook to Azure Automation.

What should you configure?

- A. the Service hooks settings for Project1
- B. the Connections settings for the Automation account
- C. the Source control settings for the Automation account
- D. the Service connections settings for Project1

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 23

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use Git for source control.

You enable GitHub code scanning.

You raise a pull request from a non-default branch. In the code scanning output, you receive the following error message: "Analysis not found."

You need to ensure that the code scanning completes successfully for the pull request.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Add the name of the default branch to the on: push specification in the code scanning workflow.
- B. Add the name of the non-default branch to the on:push specification in the code scanning workflow.
- C. Delete the pull request, and then raise the request again from the default branch.
- D. Update the code in the pull request.
- E. Add a new workflow for code scanning.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 24

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have a GitHub repository named repo1 that stores the code of an app named App1.

You need deploy a workflow for repo1 by using GitHub Actions. The solution must meet the following requirements:

- Scan on pushes to the main branch.
- Scan on pull requests to the main branch.
- Scan on pull requests to any branch that has a prefix of releases/.
- Scan all the files in the subdirectories of the src directory.
- Exclude scanning of markdown files.

How should you complete the code? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Values

- '\*\*/\*.md'

- '\*.md'

- 'release\*'

- 'releases/\*\*'

- 'src/\*'

- 'src/\*\*'

### Answer Area

...

on:

push:

branches: [main]

pull\_request:

branches:

- main

paths:

paths-ignore:

...

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 25

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You have a GitHub repository that contains multiple versions of an Azure Pipelines template.

You plan to deploy multiple pipelines that will use a template stored in the repository.

You need to ensure that you use a fixed version of the template.

What should you use to reference which version of the template repository to use?

- A. the serial
- B. the SHA-based hashes
- C. the runner
- D. the branch

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 26

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have the repositories shown in the following table.

| Type        | URL   |
|-------------|---|
| Azure Repos | <a href="https://dev.azure.com/contoso/project1/_git/project1.git">https://dev.azure.com/contoso/project1/_git/project1.git</a> |
| GitHub      | <a href="https://github.com/contoso/project.git">https://github.com/contoso/project.git</a>                                     |

You need to migrate the contents of the GitHub repository to the Azure Repos repository. The solution must ensure that the Azure Repos repository only contains branches and history from the GitHub repository.

Which three commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

### Commands

```
git clone --bare
https://dev.azure.com/contoso
/project1/_git/proj
```

```
cd project1
```

```
git clone --bare
https://github.com/contoso
/project1.git
```

```
git push --mirror
https://dev.azure.com/contoso
/project1/_git/proj
```

```
cd project1.git
```

```
git push --mirror
https://github.com/contoso
/project1.git
```

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 27

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have a GitHub repository that contains the code for an app named App1.

App1 depends on a library of functions from a repository at `https://github.com/contoso/afeed`.

You need to keep a clone of the afeed repository as a subdirectory of the App1 repository.

How should you complete the Git command? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

**Values**

**Answer Area**

add

branch

clone

pull

submodule

git

`https://github.com/contoso/afeed`

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 28

Topic #: 5

[\[All AZ-400 Questions\]](#)

HOTSPOT

-

You use Git for source control.

You need to optimize the performance of a repository. The solution must meet the following requirements:

- Permanently remove all items referenced only in the reflog.
- Remove history that is NOT in any current branch.

How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

git  expire --expire-unreachable=now --all

gc

reflog

reset

stash

git  --prune=

gc

init

reflog

reset

all

now

reset

true

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 29

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have an Azure Repos Git repository named repo1.

You need to ensure that you can authenticate to repo1 by using SSH.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

### Actions

### Answer Area

Sign in to Azure DevOps.

Add the SSH public key.

Clone repo1.

Save the SSH key to the root of repo1.

Add the SSH private key.

Create SSH keys by using `ssh-keygen`



Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 30

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You use Git for source control.

You delete a file, commit the changes, and continue to work.

You need to recover the deleted file.

Which three commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

### Commands

`git commit -m 'undeleted the file'`

`git log`

`git checkout [hash]~1 --path/to/file`

`git tag`

`git restore path/to/file`

`git stash`

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 31

Topic #: 5

[\[All AZ-400 Questions\]](#)

HOTSPOT

-

You use Git for source control. You have an app named App1.

In the main branch, you need to restore the third most recent revision of a file named App.exe.config.

How should you complete the command? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

git  main

- checkout
- branch
- switch
- reset

git restore  main~3 App.exe.config

- patch
- merge
- staged
- source

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 32

Topic #: 5

[\[All AZ-400 Questions\]](#)

HOTSPOT

-

You company uses a Git source-code repository.

You plan to implement GitFlow as a workflow strategy.

You need to identify which branch types are used for production code and preproduction code in the strategy.

Which branch type should you identify for each code type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

Production code:

|         |   |
|---------|---|
|         | ▼ |
| Main    |   |
| Feature |   |
| Develop |   |

Preproduction code:

|         |   |
|---------|---|
|         | ▼ |
| Main    |   |
| Feature |   |
| Develop |   |

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 33

Topic #: 5

[\[All AZ-400 Questions\]](#)

## DRAG DROP

-

You have an Azure Repos repository named repo1.

You need to clone repo1. The solution must clone only a directory named src/web.

How should you complete the script? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Values

`https://dev.azure.com/organization/project/_git/repo1`

`git@ssh.dev.azure.com:v3/organization/project/repo1`

`repo1/src`

`src/web`

`repo1/src/web`

`web`

### Answer Area

...

`cd repos`

`scalar clone`

`cd`

`git sparse-checkout set`

...

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 34

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use GitHub for source control and Microsoft Teams for collaboration.

You need to send a notification to a Teams channel for each commit. The solution must minimize development effort.

What should you do?

- A. Use Azure Automation to connect to the GitHub Actions API and send a message to the Teams channel.
- B. Use the Microsoft Teams for GitHub app and configure a subscription to receive notifications in the Teams channel.
- C. Use GitHub Actions with a dispatch to send a message to the Teams channel by using the Teams API.
- D. Use Azure Functions to connect to the GitHub REST API and send a message to the Teams channel.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 35

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You manage source code control and versioning by using GitHub.

You need to ensure that a PowerShell script is executed automatically before rebase operations are performed.

What should you use?

- A. a package
- B. GitHub Copilot
- C. a webhook
- D. a gist

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 36

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have a GitHub repository named repo1.

You migrate repo1 to an Azure Repos repository named repo2.

After the migration, changes are made to repo1.

You need to sync the changes to repo2.

How should you complete the script? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Values

repo1

repo1 clone URL

repo1 repo URL

repo2

repo2 clone URL

repo2 repo URL

### Answer Area

...

git clone --bare

cd

git remote add --mirror=fetch upstream

git fetch upstream --tags

git push origin --all

...

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 37

Topic #: 5

[\[All AZ-400 Questions\]](#)

### DRAG DROP

-

You have an Azure Repos repository named repo1.

You delete a branch named features/feature11.

You need to recover the deleted branch.

Which three commands should you run in sequence? To answer, move the appropriate commands from the list of commands to the answer area and arrange them in the correct order.

#### Commands

git restore <SHA1>

git stash

git checkout <SHA1>

git branch features/feature11

git log



#### Answer Area

1

2

3



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 38

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use GitHub to host container packages that use Semantic Versioning (SemVer).

You have an app named App1. The current version of App1 is 11.2.0.

You change the code of App1 to fix a bug that was introduced in version 10.5.1.

Which version number should you assign to the release?

- A. 10.5.1-PATCH
- B. 11.2.1
- C. 10.5.2
- D. 10.6.0

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 39

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

You have an Azure Repos repository that contains large PSD files.

You need to configure Git LFS to manage all the files.

How should you complete the script? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

#### Values

git fetch

git lfs config add "\*.psd"

git lfs migrate import --include="\*.psd" --everything

git lfs track "\*.psd"

git lfs update

git push

#### Answer Area

...

git lfs install

git add .gitattributes

git commit -m "track \*.psd files using Git LFS"

...

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 40

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You manage code by using GitHub.

You need to ensure that repository owners are notified if a new vulnerable dependency or malware is found in their repository.

What should you do?

- A. Configure CodeQL scanning actions.
- B. Configure Dependabot alerts.
- C. Configure branch protection rules for each repository.
- D. Subscribe all the repository owners to the GitHub Advisory Database.

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 41

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You have a public GitHub repository named Public1.

A commit is made to Public1. The commit contains a pattern that matches a regular expression.

Who is notified first when the commit is made?

- A. the administrator of the GitHub organization
- B. the committer
- C. the owner of Public1
- D. the secret scanning partner

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 42

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You have a GitHub repository.

You need to ensure that all the code in the repository is scanned for vulnerabilities.

What should you use?

- A. Dependabot alerts
- B. branch protection rules
- C. CodeQL actions
- D. GitHub Advisory Database databases

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 43

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You create a Git repository named Repo1 in Azure Repos.

You need to configure Repo1 to meet the following requirements:

- Work items must be linked to a pull request.
- Pull requests must have a minimum of two reviewers.
- Pull requests must complete a code review by using a third-party tool.

The solution must minimize administrative effort.

Which type of policy should you use for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each type policy may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

**Policies**

**Answer Area**

Branch

Work items must be linked to a pull request:

Build

Pull requests must complete a code review  
by a third party tool:

Check-in

Pull requests must have a minimum of two reviewers:

Status

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 44

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You have a 1-TB Azure Repos repository named repo1.

You need to clone repo1. The solution must meet the following requirements:

- You must be able to search the commit history of the /src directory
- The amount of time it takes to clone the repository must be minimized

Which command should you run?

- A. `git clone --depth-1 git@ssh.dev.azure.com:v3/org/Project1/repo1`
- B. `git clone --filter=blob:none git@ssh.dev.azure.com:v3/org/Project1/repo1`
- C. `git clone git@ssh.dev.azure.com.com:v3/org/Project1/repo1`
- D. `git clone --filter=true:0 git@ssh.dev.azure.com:v3/org/Project1/repo1`

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 45

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use GitHub for source control.

You are evaluating whether to use proxying to add a private upstream MyGet package feed to your MyGet feed.

What are two possible advantages of this approach? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. minimizes the impact of upstream source availability issues
- B. minimizes latency when accessing the package
- C. provides automatic authentication
- D. minimizes the impact on your storage quota

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 46

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You manage source code control and versioning by using GitHub.

A large file is committed to a repository accidentally.

You need to reduce the size of the repository. The solution must remove the file from the repository.

What should you use?

A. bfg

B. lfs

C. gvfs

D. init

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 47

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

You have a GitHub repository.

You need to configure Dependabot dependency scanning. The solution must meet the following requirements:

- Automatically open a pull request to resolve an alert.
- Automatically open a pull request when a dependency is updated.

What should you enable for each requirement? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Features

Alerts

A dependency graph

Security updates

Version updates

### Answer Area

Automatically open a pull request to resolve an alert:

Feature

Automatically open a pull request when a dependency is updated:

Feature

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 48

Topic #: 5

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You have a large repository named Repo1 that contains a directory named directory1.

You plan to modify files in directory1.

You need to create a clone of Repo1. The solution must minimize the amount of transferred data.

How should you complete the script? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### Values

git clone

git fetch

git sparse-checkout

git worktree

scalar clone

scalar run

### Answer Area

...

cd repos

https://dev.azure.com/organisation/\_git/Repo1

set directory1

...

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 49

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You have a project in Azure DevOps.

You need to implement a new branching solution. The solution must ensure that all pull requests meet the following requirements:

- Include linked work items.
- Pass build validation policies.
- Require at least three reviewers.

What should you include in the solution?

- A. branch policies
- B. pull request templates
- C. branch security
- D. pull request permissions

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 50

Topic #: 5

[\[All AZ-400 Questions\]](#)

---

You use Git for source control.

You need to commit a 3-GB ZIP file that contains virtual machines used for testing. The solution must meet the following requirements:

- The file must be versioned.
- The file must be associated with the corresponding code commits.

Which two actions should you include in the solution? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Install the git-fat extension and associate the extension to ZIP files.
- B. Install the Git LFS extension and associate the extension to ZIP files.
- C. Install the git-stash extension and associate the extension to ZIP files.
- D. Use GZip to compress the file before committing the file.
- E. Store files in Azure Storage and enable blob versions.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 1

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

Your company has 60 developers who are assigned to four teams. Each team has 15 members.

The company uses an agile development methodology.

You need to structure the work of the development teams so that each team owns their respective work while working together to reach a common goal.

Which parts of the taxonomy should you enable the team to perform autonomously?

- A. Features and Tasks
- B. Initiatives and Epics
- C. Epics and Features
- D. Stories and Tasks

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 2

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

Your company creates a new Azure DevOps team.

You plan to use Azure DevOps for sprint planning.

You need to visualize the flow of your work by using an agile methodology.

Which Azure DevOps component should you use?

- A. Kanban boards
- B. sprint planning
- C. delivery plans
- D. portfolio backlogs

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 3

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

Your company implements an Agile development methodology.

You plan to implement retrospectives at the end of each sprint.

Which three questions should you include? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Who performed well?
- B. Who should have performed better?
- C. What could have gone better?
- D. What went well?
- E. What should we try next?

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 4

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

Your team uses an agile development approach.

You need to recommend a branching strategy for the team's Git repository. The strategy must meet the following requirements.

- ⇒ Provide the ability to work on multiple independent tasks in parallel.
- ⇒ Ensure that checked-in code remains in a releasable state always.
- ⇒ Ensure that new features can be abandoned at any time.
- ⇒ Encourage experimentation.

What should you recommend?

- A. a single long-running branch without forking
- B. multiple long-running branches
- C. a single fork per team member
- D. a single long-running branch with multiple short-lived feature branches

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 5

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You integrate a cloud-hosted Jenkins server and a new Azure DevOps deployment.

You need Azure DevOps to send a notification to Jenkins when a developer commits changes to a branch in Azure Repos.

Solution: You create a service hook subscription that uses the build completed event.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 6

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have a project in Azure DevOps that has a release pipeline.

You need to integrate work item tracking and an Agile project management system to meet the following requirements:

- ⇒ Ensure that developers can track whether their commits are deployed to production.
- ⇒ Report the deployment status.
- ⇒ Minimize integration effort.

Which system should you use?

- A. Asana
- B. Basecamp
- C. Trello
- D. Jira

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 7

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You plan to onboard 10 new developers.

You need to recommend a development environment that meets the following requirements:

- ⇒ Integrates with GitHub
- ⇒ Provides integrated debugging tools
- ⇒ Supports remote workers and hot-desking environments
- ⇒ Supports developers who use browsers, tablets, and Chromebooks

What should you recommend?

- A. VS Code
- B. Xamarin Studio
- C. MonoDevelop
- D. Github Codespaces

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 8

Topic #: 6

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You integrate a cloud-hosted Jenkins server and a new Azure DevOps deployment.

You need Azure DevOps to send a notification to Jenkins when a developer commits changes to a branch in Azure Repos.

Solution: You create an email subscription to an Azure DevOps notification.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 9

Topic #: 6

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You integrate a cloud-hosted Jenkins server and a new Azure DevOps deployment.

You need Azure DevOps to send a notification to Jenkins when a developer commits changes to a branch in Azure Repos.

Solution: You create a service hook subscription that uses the code pushed event.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 10

Topic #: 6

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You integrate a cloud-hosted Jenkins server and a new Azure DevOps deployment.

You need Azure DevOps to send a notification to Jenkins when a developer commits changes to a branch in Azure Repos.

Solution: You add a trigger to the build pipeline.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 11

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You plan to create in Azure DevOps. Multiple developers will work on the project. The developers will work offline frequently and will require access to the full project history while they are offline.

Which version control solution should you use?

- A. Team Foundation Version Control
- B. Git
- C. TortoiseSVN
- D. Subversion

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 12

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You plan to onboard 10 new developers.

You need to recommend a development environment that meets the following requirements:

- ⇒ Integrates with GitHub
- ⇒ Provides integrated debugging tools
- ⇒ Supports remote workers and hot-desking environments
- ⇒ Supports developers who use browsers, tablets, and Chromebooks

What should you recommend?

- A. VS Code
- B. Xamarin Studio
- C. MonoDevelop
- D. Visual Studio Codespaces

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 13

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have a build pipeline in Azure Pipelines.

You create a Slack App Integration.

You need to send build notifications to a Slack channel named #Development.

What should you do first?

- A. Create a project-level notification.
- B. Configure a service connection.
- C. Create a global notification.
- D. Creates a service hook subscription.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 14

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization named Contoso and an Azure subscription.

You use Azure DevOps to build and deploy a web app named App1. Azure Monitor is configured to generate an email notification in response to alerts generated whenever App1 generates a server-side error.

You need to receive notifications in Microsoft Teams whenever an Azure Monitor alert is generated.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create an Azure Monitor workbook.
- B. Create an Azure logic app that has an HTTP request trigger.
- C. Create an Azure logic app that has an Azure DevOps trigger.
- D. Modify an action group in Azure Monitor.
- E. Modify the Diagnostics settings in Azure Monitor.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 15

Topic #: 6

[\[All AZ-400 Questions\]](#)

#### HOTSPOT -

Your company uses Azure DevOps for Git source control.

You have a project in Azure DevOps named Contoso App that contains the following repositories:

- ⇒ <https://dev.azure.com/contoso/contoso-app/core-api>
- ⇒ <https://dev.azure.com/contoso/contoso-app/core-spa>
- ⇒ <https://dev.azure.com/contoso/contoso-app/core-db>

You need to ensure that developers receive Slack notifications when there are pull requests created for Contoso App.

What should you run in Slack? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

#### Answer Area

/azrepos

|               |   |
|---------------|---|
|               | ▼ |
| feedback      |   |
| signin        |   |
| subscribe     |   |
| subscriptions |   |

|   |   |
|---|---|
|   | ▼ |
| <a href="https://dev.azure.com/contoso/contoso-app">https://dev.azure.com/contoso/contoso-app</a>                   |   |
| <a href="https://dev.azure.com/contoso/contoso-app/core-api">https://dev.azure.com/contoso/contoso-app/core-api</a> |   |
| <a href="https://dev.azure.com/contoso/contoso-app/core-db">https://dev.azure.com/contoso/contoso-app/core-db</a>   |   |
| <a href="https://dev.azure.com/contoso/contoso-app/core-spa">https://dev.azure.com/contoso/contoso-app/core-spa</a> |   |

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 16

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps organization that contains a project named Project1.

You need to create a published wiki in Project1.

What should you do first?

- A. Modify the Storage settings of Project1.
- B. In Project1, create an Azure DevOps pipeline.
- C. In Project1, create an Azure DevOps repository.
- D. Modify the Team configuration settings of Project1.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 17

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

Your company plans to use an agile approach to software development.

You need to recommend an application to provide communication between members of the development team who work in locations around the world. The applications must meet the following requirements:

- ⇒ Provide the ability to isolate the members of different project teams into separate communication channels and to keep a history of the chats within those channels.
- ⇒ Be available on Windows 10, Mac OS, iOS, and Android operating systems.
- ⇒ Provide the ability to add external contractors and suppliers to projects.
- ⇒ Integrate directly with Azure DevOps.

What should you recommend?

- A. Microsoft Project
- B. Bamboo
- C. Microsoft Lync
- D. Microsoft Teams

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 18

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You are developing a multi-tier application. The application will use Azure App Service web apps as the front end and an Azure SQL database as the back end. The application will use Azure functions to write some data to Azure Storage.

You need to send the Azure DevOps team an email message when the front end fails to return a status code of 200.

Which feature should you use?

- A. Service Map in Azure Log Analytics
- B. availability tests in Azure Application Insights
- C. Profiler in Azure Application Insights
- D. Application Map in Azure Application Insights

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 19

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have a project in Azure DevOps named Project1. Project1 contains a published wiki.

You need to change the order of pages in the navigation pane of the published wiki in the Azure DevOps portal.

What should you do?

- A. At the root of the wiki, create a file named .order that defines the page hierarchy.
- B. At the root of the wiki, create a file named wiki.md that defines the page hierarchy.
- C. Rename the pages in the navigation pane.
- D. Drag and drop the pages in the navigation pane.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 20

Topic #: 6

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have a GitHub organization named org1 and an Azure tenant named Tenant1.

You need to enable single sign-on (SSO) in Azure Active Directory (Azure AD) for the users in org1.

Which URIs should you use for the SAML configuration in Azure AD? To answer, drag the appropriate URIs to the correct settings. Each URI may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### URIs

### Answer Area

Identifier (Entity ID):

Reply URL (Assertion  
Consumer Service URL):

Sign on URL:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 21

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

Your company plans to use an agile approach to software development.

You need to recommend an application to provide communication between members of the development team who work in locations around the world. The applications must meet the following requirements:

- ⇒ Provide the ability to isolate the members of different project teams into separate communication channels and to keep a history of the chats within those channels.
- ⇒ Be available on Windows 10, Mac OS, iOS, and Android operating systems.
- ⇒ Provide the ability to add external contractors and suppliers to projects.
- ⇒ Integrate directly with Azure DevOps.

What should you recommend?

- A. Skype for Business
- B. Bamboo
- C. Octopus
- D. Slack

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 22

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You are designing a YAML template for use with Azure Pipelines. The template will include the outputfile parameter.

Which two methods can you use to reference the parameter? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. `${{parameters.outputfile}}`
- B. `$(parameters['outputfile'])`
- C. `$(parameters.outputfile)`
- D. `$(parameters[outputfile])`
- E. `${{parameters['outputfile']}}`

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 23

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have a pipeline named Pipeline1 in Azure Pipelines.

You need to create a service connection to enable Pipeline1 to download a public container image.

Which type of service connection should you create?

- A. a Docker host
- B. a Docker registry
- C. Azure Service Fabric
- D. Azure Kubernetes Service (AKS)

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 24

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have a project in Azure DevOps named Project1 that contains a Kanban board named Board1.

You create a Microsoft Teams channel and add the Azure Boards app to the channel.

You need to ensure that users can create work items in Board1 from Microsoft Teams.

Which command should you run?

- A. @azure boards subscriptions
- B. @azure boards create
- C. @azure boards sign in
- D. @azure boards link

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 25

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage a project by using Azure Board, and you manage the project code by using Azure Repos.

You have a bug work item that has an ID of 123.

You need to set the work item state to Resolved.

What should you add to the commit message?

- A. #123 completes
- B. #123 Resolved
- C. Completed #123
- D. Fixes #123

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 26

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains a storage account and 20 virtual machines.

You plan to use LogRhythm for aggregation and analysis of the virtual machine logs.

You need to configure AzLog to export the logs and push them to the storage account.

In which format should you export the logs?

- A. JSON
- B. EVTX
- C. EVT
- D. binary

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 27

Topic #: 6

[\[All AZ-400 Questions\]](#)

DRAG DROP

You use Exabeam Fusion SIEM and the Azure cloud platform.

You need to integrate Exabeam and Azure. The solution must use OAuth authentication.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

### Actions

Upload a certificate.

Create a client secret.

Register an Exabeam application in Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra.

Configure the Exabeam Azure cloud connector.

Configure API permissions.

### Answer Area

|  |   |                      |  |
|--|---|----------------------|--|
|  | 1 | <input type="text"/> |  |
|  | 2 | <input type="text"/> |  |
|  | 3 | <input type="text"/> |  |

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 28

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You use GitHub for source control and Azure Boards for project management. GitHub and Azure Boards are integrated.

You plan to create a pull request in GitHub.

You need to automatically link the request to an existing Azure Boards work item by using the text of AB#.

To which two elements can you add the text? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. milestone
- B. label
- C. title
- D. comment
- E. description

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 29

Topic #: 6

[\[All AZ-400 Questions\]](#)

HOTSPOT

-

You are using Agile process methodologies in Azure DevOps.

You need to deploy a dashboard that will provide progress reports for the following work items:

- How long it took to close a work item after it was created.
- How long it took to close a work item after the work was started.

Which type of widget should you use for each work item? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

### Answer Area

How long it took close a work item after it was created:

▼

- Burndown chart
- Cumulative flow diagram
- Cycle time
- Lead time
- Velocity

How long it took to close a work item after the work was started:

▼

- Burndown chart
- Burnup chart
- Cycle time
- Lead time
- Velocity

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 30

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You are integrating an Azure Boards project and a GitHub repository.

You need to authenticate Azure Boards to GitHub.

Which two authentication methods can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. a publisher certificate
- B. a trusted root certificate
- C. Microsoft Azure Active Directory (Azure AD), part of Microsoft Entra
- D. GitHub user credentials
- E. a personal access token (PAT)

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 31

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have a GitHub repository that is integrated with Azure Boards. Azure Boards has a work item that has the number 715.

You need to ensure that when you commit source code in GitHub, the work item is updated automatically.

What should you include in the commit comments?

- A. the URL of the work item
- B. AB#715
- C. @715
- D. #715

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 32

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You are creating a dashboard in Azure Boards.

You need to visualize the time from when work starts on a work item until the work item is closed.

Which type of widget should you use?

- A. cycle time
- B. velocity
- C. cumulative flow
- D. lead time

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 33

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage a project by using Azure Boards. You manage the project code by using GitHub.

You have three work items that have IDs of 456, 457, and 458.

You need to create a pull request that will be linked to all the work items. The solution must set the state of work item 456 to done.

What should you add to the commit message?

- A. Fixes #456, #457, #458
- B. Fixes #AB456, #AB457, #AB458
- C. #456, #457, #458  
Completed #456
- D. #AB456, #AB457, #AB458

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 34

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage code by using GitHub.

You plan to ensure that all GitHub Actions are validated by a security team.

You create a branch protection rule requiring that code changes be reviewed by code owners.

You need to create the CODEOWNERS file.

Where should you create the file?

- A. `.github/actions/`
- B. `.github/`
- C. `.git/`
- D. `.github/workflows/`

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 35

Topic #: 6

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You are implementing a new project in Azure DevOps.

You need to assess the performance of the project. The solution must identify the following metrics:

- How long it takes to complete a work item
- The percentage of defects found in production

Which DevOps KPI should you review for each metric? To answer, drag the appropriate KPIs to the correct metrics. Each KPI may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### KPIs

### Answer Area

Lead time

Application failure rates

Bug report rates

Burndown trend

Cycle time

Defect escape rate

Deployment speed

Mean time to recover

How long it takes to complete a work item:

The percentage of defects found in production:

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 36

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage a project by using Azure Boards. You manage the project code by using GitHub.

You have three work items that have IDs of 456, 457, and 458.

You need to create a pull request that will be linked to all the work items. The solution must set the state of work item 456 to done.

What should you add to the commit message?

- A. Done #456, #457, #458
- B. #AB456, #AB457, #AB458
- C. #456, #457, #458  
Completed #456
- D. #AB456, #AB457, #AB458  
Completed #AB456

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 37

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains an Azure container registry. The container registry contains an ACR Tasks task named Task1. Task1 is configured to run once every five days.

You need to trigger Task1 to run immediately.

Which command should you run?

- A. az acr task run
- B. az acr build
- C. az acr taskrun
- D. az acr run

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 38

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage a project by using Azure Boards. You manage the project code by using GitHub.

You have three work items that have IDs of 456, 457, and 458.

You need to create a pull request that will be linked to all the work items. The solution must set the state of work item 456 to done.

What should you add to the commit message?

A. #AB456, #AB457, #AB458

Completed #AB456

B. #456, #457, #458

Completed #456

C. Done #AB456, #AB457, #AB458

D. #AB456, #AB457, #AB458

Verifies #AB456

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 39

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage projects by using Azure Boards.

You have a current work item name itemA that is dependant on a work item named itemB.

You need to define the dependency for itemA.

What should you do in the web portal for Azure DevOps?

- A. Add a Parent link to the user story of itemA.
- B. From Backlogs, open the context menu, select Add link, and then select itemA. Set Link type to Successor and add the ID of itemB.
- C. From itemA, open the Links tab, and then select Add link. Set Link type to References and add the ID of itemB.
- D. From Backlogs, open he context menu, select Add link, and then select itemA. Set Link type to References and add the ID of itemB.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 40

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage projects by using Azure Boards.

You have a current work item name itemA that is dependant on a work item named itemB.

You need to define the dependency for itemA.

What should you do in the web portal for Azure DevOps?

- A. From itemA, open the Links tab, and then select Add link. Set Link type to Related and add the ID of itemB.
- B. From Backlogs, open the context menu, select Add link, and then select itemA. Set Link type to Successor and add the ID of itemB.
- C. From itemA, open the Links tab, and then select Add link. Set Link type to References and add the ID of itemB.
- D. From Queries, open the context menu, select Add link, and then select Existing Item. Set Link type to Affected By and add the ID of itemB.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 41

Topic #: 6

[\[All AZ-400 Questions\]](#)

You have the services shown in the following table.

| Name     | Interface type |
|----------|----------------|
| Service1 | HTTP           |
| Service2 | HTTPS          |

You manage a project by using Azure Boards.

You need to notify the services of build status changes.

Which services can be notified by using a webhook?

- A. Service1 only
- B. Service2 only
- C. Service1 and Service2

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 42

Topic #: 6

[\[All AZ-400 Questions\]](#)

DRAG DROP

You are using Agile process methodologies and Azure Boards in Azure DevOps.

You import the work items shown in the following table.

| Name  | Description  |
|-------|--|
| Item1 | The solution was implemented but <b>NOT</b> verified.<br>The item must appear on the backlog.                  |
| Item2 | The work was <b>NOT</b> started.<br>The item must appear on the backlog.                                       |
| Item3 | The work is complete.<br>The item must <b>NOT</b> appear on the backlog.<br>The item must appear on the board. |

You need to categorize the items.

Which state should you assign to each item? To answer, drag the appropriate states to the correct items. Each state may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### States

### Answer Area

Item1:

Item2:

Item3:

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 43

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains an Azure Pipelines pipeline named Pipeline1 and an app named App1. Pipeline1 is used to automate the building of App1.

You have a Slack channel named App1chat that includes an incoming webhook.

You need to ensure that when a successful build of App1 is created, a notification is sent to App1chat by using the webhook.

What should you use?

- A. a notification
- B. an alert rule
- C. a subscription
- D. an action group

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 44

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage projects by using Azure Boards. You manage project code by using GitHub.

You have a work item that has an ID of 123.

You need to link work item 123 to a new pull request.

What are two ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct solution is worth one point.

- A. In the Development section for work item 123, select Add link, and then enter the URL of the pull request.
- B. To the description of the pull request, add #AB123.
- C. To work item 123 add a comment that includes the URL of the pull request.
- D. From work item 123, open the Links tab, select Add link, select Existing item, and then enter the URL of the commit.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 45

Topic #: 6

[\[All AZ-400 Questions\]](#)

DRAG DROP

-

You plan to use Azure DevOps in development processes.

You identify the following issues with the existing development processes:

- Frequent discovery of bugs in production
- Increasing detection of bugs by customers
- Slow resolution of bugs and slow resumption of production

You need to implement Key Performance Indicators (KPIs) to track each issue.

Which KPI should you implement for each issue? To answer, drag the appropriate KPIs to the correct issues. Each KPI may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

### KPIs

Application failure rates

Bug report rates

Defect escape rate

Deployment failure rates

### Answer Area

Frequent discovery of bugs in production:

Increasing detection of bugs by customers:

Slow resolution of bugs and slow resumption of production:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 46

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage projects by using Azure Boards.

You have a current work item name itemA that is dependant on a work item named itemB.

You need to define the dependency for itemA.

What should you do in the web portal for Azure DevOps?

- A. Add a Parent link to the user story of itemA.
- B. From Backlogs, open the context menu, select Add link, and then select itemA. Set Link type to References and add the ID of itemB.
- C. From itemA, open the Links tab, and then select Add link. Set Link type to References and add the ID of itemB.
- D. From itemA, open the Links tab, and then select Add link. Set Link type to Successor and add the ID of itemB.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 47

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You have a project in Azure DevOps named App Project that is used to develop an app named App1. App1Project has an Azure Boards team dashboard that is used to monitor the progress of App1 and track work items.

You need to track how long it takes to close a work item once work for the item has commenced.

Which type of widget should you add to the dashboard?

- A. sprint burndown
- B. velocity
- C. lead time
- D. cycle time

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 48

Topic #: 6

[\[All AZ-400 Questions\]](#)

---

You manage a project by using Azure Board, and you manage the project code by using Azure Repos.

You have a bug work item that has an ID of 123.

You need to set the work item state to Resolved.

What should you add to the commit message?

- A. #123 completes
- B. Resolves #AB-123
- C. Verifies #123
- D. Fixes #123

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 1

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- ⇒ The build must access an on-premises dependency management system.
- ⇒ The build outputs must be stored as Server artifacts in Azure DevOps.
- ⇒ The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure the build pipeline to use a Microsoft-hosted agent pool running the Windows Server 2019 with Visual Studio 2019 image. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 2

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have a project in Azure DevOps.

You create the following YAML template named Template1.yml.

steps:

- script: npm install
- script: yarn install
- script: npm run compile

You create the following pipeline named File1.yml.

parameters:

usersteps:

- task: MyTask@1
- script: echo Done

You need to ensure that Template1.yml runs before File1.yml.

How should you update File1.yml?

- A. parameters: usersteps: extends: template: template1.yml - task: MyTask@1 - script: echo Done
- B. template: template1.yml parameters: usersteps: - task: MyTask@1 - script: echo Done
- C. extends: template: template1.yml parameters: usersteps: - task: MyTask@1 - script: echo Done
- D. parameters: usersteps: - template: template1.yml - task: MyTask@1 - script: echo Done

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 3

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have an Azure solution that contains a build pipeline in Azure Pipelines.

You experience intermittent delays before the build pipeline starts.

You need to reduce the time it takes to start the build pipeline.

What should you do?

- A. Enable self-hosted build agents.
- B. Create a new agent pool.
- C. Split the build pipeline into multiple stages.
- D. Purchase an additional parallel job.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 4

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- ⇒ The build must access an on-premises dependency management system.
- ⇒ The build outputs must be stored as Server artifacts in Azure DevOps.
- ⇒ The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure the build pipeline to use a Microsoft-hosted agent pool running a Linux image. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 5

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You store source code in a Git repository in Azure Repos. You use a third-party continuous integration (CI) tool to control builds.

What will Azure DevOps use to authenticate with the tool?

- A. certificate authentication
- B. a personal access token (PAT)
- C. a Shared Access Signature (SAS) token
- D. NTLM authentication

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 6

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are configuring Azure Pipelines for three projects in Azure DevOps as shown in the following table.

| Project name | Project Details   |
|--------------|---|
| Project1     | The project team provides preconfigured YAML files that it wants to use to manage future pipeline configuration changes.        |
| Project2     | The sensitivity of the project requires that the source code be hosted on the managed Windows server on your company's network. |
| Project3     | The project team requires a centralized version control system to ensure that developers work with the most recent version.     |

Which version control system should you recommend for each project? To answer, drag the appropriate version control systems to the correct projects. Each version control system may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

#### Version Control Systems

Assembla Subversion

Bitbucket Cloud

Git in Azure Repos

GitHub Enterprise

#### Answer Area

Project1:

Project2:

Project3:

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 7

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- ☞ The builds must access an on-premises dependency management system.
- ☞ The build outputs must be stored as Server artifacts in Azure DevOps.
- ☞ The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure an Octopus Tentacle on an on-premises machine. Use the Package Application task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 8

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- ⇒ The builds must access an on-premises dependency management system.
- ⇒ The build outputs must be stored as Server artifacts in Azure DevOps.

The source code must be stored in a Git repository in Azure DevOps.

•

Solution: Install and configure a self-hosted build agent on an on-premises machine. Configure the build pipeline to use the Default agent pool. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 9

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- ⇒ The builds must access an on-premises dependency management system.
- ⇒ The build outputs must be stored as Server artifacts in Azure DevOps.
- ⇒ The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure the build pipeline to use a Hosted VS 2019 agent pool. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 10

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You need to recommend an integration strategy for the build process of a Java application. The solution must meet the following requirements:

- ⇒ The builds must access an on-premises dependency management system.
- ⇒ The build outputs must be stored as Server artifacts in Azure DevOps.
- ⇒ The source code must be stored in a Git repository in Azure DevOps.

Solution: Configure the build pipeline to use a Hosted Ubuntu agent pool. Include the Java Tool Installer task in the build pipeline.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 11

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

Your company uses a Git repository in Azure Repos to manage the source code of a web application. The master branch is protected from direct updates. Developers work on new features in the topic branches.

Because of the high volume of requested features, it is difficult to follow the history of the changes to the master branch.

You need to enforce a pull request merge strategy. The strategy must meet the following requirements:

- ⇒ Consolidate commit histories.
- ⇒ Merge the changes into a single commit.

Which merge strategy should you use in the branch policy?

- A. squash merge
- B. fast-forward merge
- C. Git fetch
- D. no-fast-forward merge

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 12

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

Your company uses cloud-hosted Jenkins for builds.

You need to ensure that Jenkins can retrieve source code from Azure Repos.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a webhook in Jenkins.
- B. Add the Team Foundation Server (TFS) plug-in to Jenkins.
- C. Add a personal access token to your Jenkins account.
- D. Create a personal access token (PAT) in your Azure DevOps account.
- E. Create a service hook in Azure DevOps.

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 13

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

Your company has four projects. The version control requirements for each project are shown in the following table.

| Project   | Requirement   |
|-----------|---|
| Project 1 | Project leads must be able to restrict access to individual files and folders in the repository.  |
| Project 2 | The version control system must enforce the following rules on the server before merging any changes to the main branch: <ul style="list-style-type: none"><li>• Changes must be reviewed by at least two project members.</li><li>• Changes must be associated by at least one work item</li></ul> |
| Project 3 | The project members must be able to work in Azure Repos directly from Xcode.  |
| Project 4 | The release branch must only be viewable or editable by the project leads.  |

You plan to use Azure Repos for all the projects.

Which version control system should you use for each project? To answer, drag the appropriate version control systems to the correct projects. Each version control system may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

#### Version Control Systems

#### Answer Area

Git

Project 1:

Perforce

Project 2:

Subversion

Project 3:

Team Foundation Version Control

Project 4:

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 14

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You are automating the build process for a Java-based application by using Azure DevOps.

You need to add code coverage testing and publish the outcomes to the pipeline.

What should you use?

- A. Bullseye Coverage
- B. JUnit
- C. JaCoCo
- D. MSTest

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 15

Topic #: 7

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You company uses Azure DevOps to deploy infrastructures to Azure.

Pipelines are developed by using YAML.

You execute a pipeline and receive the results in the web portal for Azure Pipelines as shown in the following exhibit.

The screenshot displays the Azure DevOps interface. On the left is a navigation sidebar with options like Overview, Boards, Repos, Pipelines, Environments, Releases, Library, Task groups, Deployment groups, WhiteSource Bolt, Test Plans, and Artifacts. The main area shows a pipeline run for 'Fast Track' with the ID #20191120.1. The pipeline consists of several stages: 'build vm', 'deploy\_to\_dev', 'deploy\_to\_uat', and 'Finalize build'. The 'initial\_build' job under the 'build vm' stage is expanded, showing a list of steps: 'initialize build' (7s), 'Initialize job' (<1s), 'Checkout' (4s), 'CmdLine' (2s), 'Post-job: Ccheckout' (<1s), and 'Finalize Job' (<1s). A detailed view of the 'initial\_build' job is shown in a dark overlay, listing: 1. Pool: Azure Pipelines, 2. Image: Ubuntu-18.04, 3. Agent: Hosted Agent, 4. Started: Just now, 5. Duration: 7s, and 7. Job preparation parameters.

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Hot Area:

## Answer Area

The pipeline contains

|              |   |
|--------------|---|
|              | ▼ |
| one stage    |   |
| two stages   |   |
| three stages |   |
| four stages  |   |
| five stages  |   |

Build\_vm contains

|            |   |
|------------|---|
|            | ▼ |
| one job    |   |
| two jobs   |   |
| three jobs |   |
| four jobs  |   |
| five jobs  |   |

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 16

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are configuring Azure DevOps build pipelines.

You plan to use hosted build agents.

Which build agent pool should you use to compile each application type? To answer, drag the appropriate build agent pools to the correct application types. Each build agent pool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Build Agent Pools

### Answer Area

Hosted Windows Container

Hosted Linux

Hosted macOS

Hosted

Default

An application that runs on iOS:

An Internet Information Services (IIS) web application that runs in Docker:

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 17

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You are automating the build process for a Java-based application by using Azure DevOps.

You need to add code coverage testing and publish the outcomes to the pipeline.

What should you use?

- A. Cobertura
- B. Bullseye Coverage
- C. MSTest
- D. Coverlet

[Show Suggested Answer](#)





Actual exam question from Microsoft's AZ-400

Question #: 18

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have an existing build pipeline in Azure Pipelines.

You need to use incremental builds without purging the environment between pipeline executions.

What should you use?

- A. a self-hosted agent
- B. Microsoft-hosted parallel jobs
- C. a File Transform task

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 19

Topic #: 7

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You are designing YAML-based Azure pipelines for the apps shown in the following table.

| Name | Platform                               | Release requirements   |
|------|--|--|
| App1 | Azure virtual machine                  | Replace a fixed set of existing instances of the previous version of App1 with instances of the new version of the app in each iteration.          |
| App2 | Azure Kubernetes Service (AKS) cluster | Roll out a limited deployment of the new version of App2 to validate the functionality of the app. Once testing is successful, expand the rollout. |

You need to configure the YAML strategy value for each app. The solution must minimize app downtime.

Which value should you configure for each app? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

App1:  ▼

- canary
- rolling
- runonce

App2:  ▼

- canary
- rolling
- runonce

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 20

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have a private project in Azure DevOps.

You need to ensure that a project manager can create custom work item queries to report on the project's progress. The solution must use the principle of least privilege.

To which security group should you add the project manager?

- A. Reader
- B. Project Collection Administrators
- C. Project Administrators
- D. Contributor

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 21

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

Your company has a project in Azure DevOps for a new application. The application will be deployed to several Azure virtual machines that run Windows Server 2019.

You need to recommend a deployment strategy for the virtual machines. The strategy must meet the following requirements:

- ⇒ Ensure that the virtual machines maintain a consistent configuration.
- ⇒ Minimize administrative effort to configure the virtual machines.

What should you include in the recommendation?

- A. Azure Resource Manager templates and the PowerShell Desired State Configuration (DSC) extension for Windows
- B. Deployment YAML and Azure pipeline deployment groups
- C. Azure Resource Manager templates and the Custom Script Extension for Windows
- D. Deployment YAML and Azure pipeline stage templates

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 22

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have an Azure DevOps project that uses many package feeds.

You need to simplify the project by using a single feed that stores packages produced by your company and packages consumed from remote feeds. The solution must support public feeds and authenticated feeds.

What should you enable in DevOps?

- A. Universal Packages
- B. upstream sources
- C. views in Azure Artifacts
- D. a symbol server

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 23

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

Your company has two virtual machines that run Linux in a third-party public cloud.

You plan to use the company's Azure Automation State Configuration implementation to manage the two virtual machines and detect configuration drift.

You need to onboard the Linux virtual machines.

You install PowerShell Desired State Configuration (DSC) on the virtual machines, and then run `register.py`.

Which three actions should you perform next in sequence? To answer, move the actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

### Actions

Create a DSC metaconfiguration

Copy the metaconfiguration to the virtual machines

Add the virtual machines as DSC nodes in Azure Automation

Install Windows Management Framework 5.1 on the virtual machines

From the virtual machines, run `setdsclocalconfigurationmanager.py`

### Answer Area



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 24

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

SIMULATION -

You plan to deploy a runbook that will create Azure AD user accounts.

You need to ensure that runbooks can run the Azure PowerShell cmdlets for Azure Active Directory.

To complete this task, sign in to the Microsoft Azure portal.

[Show Suggested Answer](#)



Actual exam question from Microsoft's AZ-400

Question #: 25

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are creating a container for an ASP.NET Core app.

You need to create a Dockerfile file to build the image. The solution must ensure that the size of the image is minimized.

How should you configure the file? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Values

dotnet publish -c Release -o out

dotnet restore

mcr.microsoft.com/dotnet/aspnet:5.0

mcr.microsoft.com/dotnet/sdk:5.0

### Answer Area

FROM  AS build-env

COPY . /app/

WORKDIR /app

RUN

FROM

COPY --from=build-env /app/out /app

WORKDIR /app

ENTRYPOINT ["dotnet", "MvcMovie.dll"]

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 26

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are configuring the settings of a new Git repository in Azure Repos.

You need to ensure that pull requests in a branch meet the following criteria before they are merged:

- ⇒ Committed code must compile successfully.
- ⇒ Pull requests must have a Quality Gate status of Passed in SonarCloud.

Which policy type should you configure for each requirement? To answer, drag the appropriate policy types to the correct requirements. Each policy type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

### Answer Area

#### Policy Types

A build policy

A check-in policy

A status policy

Committed code must compile successfully:

Pull requests must have a Quality Gate status of Passed in SonarCloud:

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 27

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You use a Git repository in Azure Repos to manage the source code of a web application. Developers commit changes directly to the default branch.

You need to implement a change management procedure that meets the following requirements:

- ⇒ The default branch must be protected, and new changes must be built in the feature branches first.
- ⇒ Changes must be reviewed and approved by at least one release manager before each merge.
- ⇒ Changes must be brought into the default branch by using pull requests.

What should you configure in Azure Repos?

- A. branch policies of the default branch
- B. Services in Project Settings
- C. Deployment pools in Project Settings
- D. branch security of the default branch

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 28

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company uses Azure DevOps to manage the build and release processes for applications.

You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch.

Solution: You implement a pull request strategy that uses fast-forward merges.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 29

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company uses Azure DevOps to manage the build and release processes for applications.

You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch.

Solution: You implement a pull request strategy that uses squash merges.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 30

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company uses Azure DevOps to manage the build and release processes for applications.

You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch.

Solution: You implement a pull request strategy that uses an explicit merge.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 31

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company uses Azure DevOps to manage the build and release processes for applications.

You use a Git repository for applications source control.

You need to implement a pull request strategy that reduces the history volume in the master branch.

Solution: You implement a pull request strategy that uses a three-way merge.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 32

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You need to recommend a Docker container build strategy that meets the following requirements:

- ⇒ Minimizes image sizes
- ⇒ Minimizes the security surface area of the final image

What should you include in the recommendation?

- A. multi-stage builds
- B. PowerShell Desired State Configuration (DSC)
- C. Docker Swarm
- D. single-stage builds

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 33

Topic #: 7

[\[All AZ-400 Questions\]](#)

You plan to create an image that will contain a .NET Core application.

You have a Dockerfile file that contains the following code. (Line numbers are included for reference only.)

```
01 FROM microsoft/dotnet: 3.1-sdk
02 COPY . /
03 RUN dotnet publish -c Release -o out
04 FROM microsoft/dotnet: 3.1-sdk
05 COPY --from=0 /out /
06 WORKDIR /
07 ENTRYPOINT ["dotnet", "app1.dll"]
```

You need to ensure that the image is as small as possible when the image is built.

Which line should you modify in the file?

- A. 1
- B. 3
- C. 4
- D. 7

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 34

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has a project in Azure DevOps for a new web application.

You need to ensure that when code is checked in, a build runs automatically.

Solution: From the Triggers tab of the build pipeline, you select Batch changes while a build is in progress.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 35

Topic #: 7

[\[All AZ-400 Questions\]](#)

HOTSPOT -

You need to deploy Azure Kubernetes Service (AKS) to host an application. The solution must meet the following requirements:

- ⇒ Containers must only be published internally.
- ⇒ AKS clusters must be able to create and manage containers in Azure.

What should you use for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

### Answer Area

Containers must only be published internally:

|                           |   |
|---------------------------|---|
|                           | ▼ |
| Azure Container Instances |   |
| Azure Container Registry  |   |
| Dockerfile                |   |

AKS clusters must be able to create and manage containers in Azure:

|  |   |
|--|---|
|  | ▼ |
| An Azure Active Directory (Azure AD) group |   |
| An Azure Automation account                |   |
| An Azure service principal                 |   |

Show Suggested Answer

Actual exam question from Microsoft's AZ-400

Question #: 36

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have 50 Node.js-based projects that you scan by using WhiteSource. Each project includes Package.json, Package-lock.json, and Npm-shrinkwrap.json files.

You need to minimize the number of libraries reports by WhiteSource to only the libraries that you explicitly reference.

What should you do?

- A. Configure the File System Agent plug-in.
- B. Add a devDependencies section to Package-lock.json.
- C. Configure the Artifactory plug-in.
- D. Delete Package-lock.json.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 37

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

Your company deploys applications in Docker containers.

You want to detect known exploits in the Docker images used to provision the Docker containers.

You need to integrate image scanning into the application lifecycle. The solution must expose the exploits as early as possible during the application lifecycle.

What should you configure?

- A. a task executed in the continuous integration pipeline and a scheduled task that analyzes the image registry
- B. manual tasks performed during the planning phase and the deployment phase
- C. a task executed in the continuous deployment pipeline and a scheduled task against a running production container
- D. a task executed in the continuous integration pipeline and a scheduled task that analyzes the production container

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 38

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

Your company has a hybrid cloud between Azure and Azure Stack.

The company uses Azure DevOps for its full CI/CD pipelines. Some applications are built by using Erlang and Hack.

You need to ensure that Erlang and Hack are supported as part of the build strategy across the hybrid cloud. The solution must minimize management overhead.

What should you use to execute the build pipeline?

- A. a Microsoft-hosted agent
- B. Azure DevOps self-hosted agents on Azure DevTest Labs virtual machines.
- C. Azure DevOps self-hosted agents on Hyper-V virtual machines
- D. Azure DevOps self-hosted agents on virtual machines that run on Azure Stack

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 39

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

Your company has an Azure DevOps project,

The source code for the project is stored in an on-premises repository and uses on an on-premises build server.

You plan to use Azure DevOps to control the build process on the build server by using a self-hosted agent.

You need to implement the self-hosted agent.

You download and install the agent on the build server.

Which two actions should you perform next? Each correct answer presents part of the solution.

- A. From Azure, create a shared access signature (SAS).
- B. From the build server, create a certificate, and then upload the certificate to Azure Storage.
- C. From the build server, create a certificate, and then upload the certificate to Azure Key Vault.
- D. From DevOps, create a personal access token (PAT).
- E. From the build server, run `config.cmd`.

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 40

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have an Azure subscription that contains an Azure Active Directory (Azure AD) tenant.

You are configuring a build pipeline in Azure Pipelines that will include a task named Task1. Task1 will authenticate by using an Azure AD service principal.

Which three values should you configure for Task1? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. the tenant ID
- B. the subscription ID
- C. the client secret
- D. the app ID
- E. the object ID

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 41

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You are deploying a new application that uses Azure virtual machines.

You plan to use the Desired State Configuration (DSC) extension on the virtual machines.

You need to ensure that the virtual machines always have the same Windows feature installed.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

### Actions

Configure the DSC extension on the virtual machines.

Create a YAML configuration file.

Load the file to Azure Blob storage.

Configure the Custom Script Extension on the virtual machines.

Load the file to Azure Files.

Create a PowerShell configuration file.

### Answer Area



Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 42

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You need to execute inline testing of an Azure DevOps pipeline that uses a Docker deployment model. The solution must prevent the results from being published to the pipeline.

What should you use for the inline testing?

- A. a single stage Dockerfile
- B. an Azure Kubernetes Service (AKS) pod
- C. a multi-stage Dockerfile
- D. a Docker Compose file

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 43

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You are designing an Azure DevOps strategy for your company's development team.

You suspect that the team's productivity is low due to accumulate technical debt.

You need to recommend a metric to assess the amount of the team's technical debt.

What should you recommend?

- A. the number of code modules in an application
- B. the number of unit test failures
- C. the percentage of unit test failures
- D. the percentage of overall time spent on rework

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 44

Topic #: 7

[\[All AZ-400 Questions\]](#)

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You are developing an open source solution that uses a GitHub repository.

You create a new public project in Azure DevOps.

You plan to use Azure Pipelines for continuous build. The solution will use the GitHub Checks API.

Which authentication type should you use?

- A. OpenID
- B. GitHub App
- C. a personal access token (PAT)
- D. SAML

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 45

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has a project in Azure DevOps for a new web application.

You need to ensure that when code is checked in, a build runs automatically.

Solution: From the Continuous deployment trigger settings of the release pipeline, you enable the Pull request trigger setting.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer







Actual exam question from Microsoft's AZ-400

Question #: 46

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has a project in Azure DevOps for a new web application.

You need to ensure that when code is checked in, a build runs automatically.

Solution: From the Pre-deployment conditions settings of the release pipeline, you select After stage.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 47

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has a project in Azure DevOps for a new web application.

You need to ensure that when code is checked in, a build runs automatically.

Solution: From the Pre-deployment conditions settings of the release pipeline, you select Batch changes while a build is in progress.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 48

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have an Azure DevOps release pipeline as shown in the following exhibit.

- Create Resource Group (if not created)  
Azure CLI
- Create Storage Account (if not created)  
Azure CLI
- Create OWASP Container  
Azure CLI

You need to complete the pipeline to configure OWASP ZAP for security testing.

Which five Azure CLI tasks should you add in sequence? To answer, move the tasks from the list of tasks to the answer area and arrange them in the correct order.

Select and Place:

### Tasks

### Answer Area

- Convert Report Format
- Build machine image
- Publish Test Results
- Destroy OWASP Container
- Call the Baseline Scan
- Docker CLI installer
- Download the file



Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 50

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You have a build pipeline in Azure Pipelines that uses different jobs to compile an application for 10 different architectures.

The build pipeline takes approximately one day to complete.

You need to reduce the time it takes to execute the build pipeline.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Move to a blue/green deployment pattern
- B. Create a deployment group
- C. Increase the number of parallel jobs
- D. Reduce the size of the repository
- E. Create an agent pool

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 51

Topic #: 7

[\[All AZ-400 Questions\]](#)

---

You are creating a build pipeline in Azure Pipelines.

You define several tests that might fail due to third-party applications.

You need to ensure that the build pipeline completes successfully if the third-party applications are unavailable.

What should you do?

- A. Configure the build pipeline to use parallel jobs
- B. Configure flaky tests
- C. Increase the test pass percentage
- D. Add the Requirements quality widget to your dashboard

Show Suggested Answer



Actual exam question from Microsoft's AZ-400

Question #: 52

Topic #: 7

[\[All AZ-400 Questions\]](#)

DRAG DROP -

You have an Azure subscription that contains a resources group named RG1. RG1 contains the following resources:

- ⇒ Four Azure virtual machines that run Windows Server and have Internet Information Services (IIS) installed.
- ⇒ SQL Server on an Azure virtual machine.
- ⇒ An Azure Load Balancer.

You need to deploy an application to the virtual machines in RG1 by using Azure Pipelines.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Select and Place:

**Actions**

**Answer Area**

Create an agent pool

Add the Puppet Agent extension to the virtual machines

Add and configure a deployment group job for the pipeline

Add the Azure Pipelines Agent extension to the virtual machines

Create a deployment group

Execute the pipeline



Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 53

Topic #: 7

[\[All AZ-400 Questions\]](#)

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Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

Your company has a project in Azure DevOps for a new web application.

You need to ensure that when code is checked in, a build runs automatically.

Solution: From the Triggers tab of the build pipeline, you select Enable continuous integration.

Does this meet the goal?

A. Yes

B. No

Show Suggested Answer





Actual exam question from Microsoft's AZ-400

Question #: 54

Topic #: 7

[\[All AZ-400 Questions\]](#)

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You have an Azure DevOps organization named Contoso and an Azure DevOps project named Project1.

You plan to use Microsoft-hosted agents to build container images that will host full Microsoft .NET Framework apps in a YAML pipeline in Project1.

What are two possible virtual machine images that you can use for the Microsoft-hosted agent pool? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. vs2017-win2016
- B. ubuntu-16.04
- C. win1803
- D. macOS-10.13
- E. vs.2015-win2012r2

Show Suggested Answer

